

6273

Fleck's Seeds

1954
OUR 10TH YEAR

PENNSYLVANIA'S Only Complete
All-Wholesale House Catering Exclusively to Particular Florists and Nurserymen



SAKATA'S DOUBLE, ATTRACTION

See Page 21

RAYMOND A. FLECK, Inc.

STREET ROAD (Route 132) • Telephones { ELmwood 7-0132
ELmwood 7-0179 } • SOUTHAMPTON, PA.

Phone Orders, 9:00 A. M. to 10:00 P. M.

New and Recent Introductions in Flower Seeds Worthy of Your Consideration

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Fleck's Flower Seeds

FOR PARTICULAR FLORISTS

Seeds of Annuals and Greenhouse Plants

Arranged Alphabetically (Including New Varieties) for Easy Reference
PERENNIAL SEEDS BEGIN PAGE 36

ACROCLINIUM

NEW LARGEFLOWERED, DOUBLE HYBRIDS

24 inches

Excellent cut flower, free flowering.

8600 S

Tr. pkt. 1/4 oz. Oz.

Mixed, Sensation Giants. Bright colored double Strawflowers for Spring cutting. When used for Winter bouquets, cut when buds begin to open.....\$0.20 \$0.35 \$1.00

Album. Double white. 18 in..... .20 .35 .95

Roseum. Double rose. 18 in..... .20 .35 .95

AGATHAEA - Blue Daisy

27,000 S

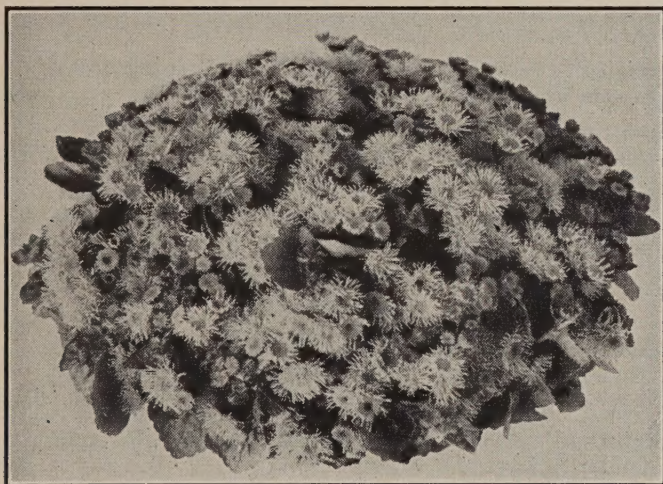
Tr. pkt. 1/4 oz. Oz.

Coelestis. Exquisite, free flowering blue

Marguerite Daisy. 30 in.....\$0.25 \$0.50 \$1.80

Seeds germinate irregularly and slowly

AGERATUM



Ageratum, Midget Blue

200,000 S

Tr. pkt. 1/8 oz. 1/4 oz. Oz.

Blue Ball Improved. Dwarf, compact, rich blue. 5-6 in.....\$0.35 \$0.70 \$1.30 \$4.25

Blue Cap. Compact, uniform, dwarf. 4 in..... .40 .70 1.15 3.50

Blue Perfection. Dark blue. 10-15 in. .2550 1.60

Fairy Pink. Rose pink salmon flowers. Dwarf, compact. 4-6 in..... .45 1.00 1.80 6.00

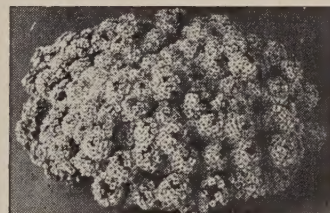
Golden (Lonas Inodora). Free blooming, golden yellow. 12 in... 1/16 oz. 75c. .40 1.50 2.70

Midget Blue. Very dwarf, delicate foliage; blue flowers..... .40 1.00 1.70 5.95

Purple Perfection. Rich deep blue. 6 in..... .40 1.00 1.70 5.95

Rooted Cuttings Available—See Plant Section

ALYSSUM



Alyssum,
Violet
Queen

Fragrant. Does well even in poor soil.

90,000 S

Tr. pkt. 1/4 oz. Oz. 1/4 lb.

Carpet of Snow. White (Bouquet).

2 in. (snow cloth).....\$0.20 \$0.30 \$0.80 \$2.60

Purple Mantle (New). Deeper shade than Royal Carpet..... .40 1.60 5.60

Royal Carpet (New). Distinct purple; compact, dwarf. A great improvement on Violet Queen; spreads to 10 in. or more.... (1/8 oz. \$1.00) .35 1.50 5.40

Sweet (Maritimum). Trailing. 10 in. .1550 1.20

Violet Queen. Dwarf compact, rich deep shades of Violet. 5 to 8 in. .25 .50 1.25 4.25

PERENNIAL ALYSSUM—Listed page 36.



Amaranthus



Anchusa

AMARANTHUS

28,000 S

Tr. pkt. 1/4 oz. Oz.

Caudatus (Love-lies-bleeding). Red.....\$0.20 \$0.35 \$1.00

Crimson Pygmy. 8 in. Nice for combination boxes..... .25 .40 1.20

Molten Fire (Summer Poinsettia). Variegated deep red foliage; plants do best when not transplanted. Prefer dry, open locations. Select strain. 4 ft..... .20 .35 1.00

Tricolor splendens (Joseph's-coat). Beautiful variegated foliage. 3 ft..... .25 .40 1.20

ANCHUSA (Annual)

1100 S

Tr. pkt. 1/4 oz. Oz.

Blue Bird. Compact, very attractive.

Deep Forget-Me-Not blue flowers. 18-24 in.....\$0.20 \$0.30 \$0.90

PERENNIAL ANCHUSA—Listed on page 36.

Antirrhinum

ALL THE BEST—Greenhouse Forcing "SNAPS"

Originator's Packets

HYBRID VARIETIES

For best results, do not pinch Hybrid varieties until after benching, and shift before pot bound. Hybrid varieties are best for early sowings for maturity late September to February.

WHITE

ROCKWOOD'S HYBRID WHITE, NO. 5

A fine white for Fall and early Winter blooming, flowers are large and well formed, stems wiry and heavy. Season—late September to June. Pkt. \$3.50

Apollo (Yoder). Ivory, larger flowered and more vigorous than Margaret. 3.00

Citation (Yoder Bros.). Earlier than Margaret. Vigorous. Ruffled, compact floret spacing on long spikes. 3.00

Jet Pilot (Yoder Bros.). Medium early Paperwhite. Long spikes. 3.00

Maryland White (Winkler). Early paperwhite. 3.50

Meine's Hybrid White. New. Jumbo florets. Same shade as Margaret. 3.00

PINK AND ROSE SHADES

Christina (Yoder Bros.). New hybrid. Lively medium pink. \$3.50

Christmas Cheer (Windmiller). Beautiful bright pink. Best for December cutting; comes back for fine second crop. 3.00

Mary Ellen (J. S. Yoder). Hybrid early; light rose pink. 2.50

Maryland Pink (Winkler). Improved, early, light pastel pink. 3.50

Rockwood's Early Hybrid Pink. Pastel pink. One of the best early and All-Season varieties. Produces good flowers from September to June. 3.50

Rockwood's Hybrid Pink, No. 2. Early light pink with salmon tinge; about same shade as Christina. 3.50

Rockwood's Hybrid Pink, No. 3. Early brilliant rose pink. 3.50

Top Flight. Earlier than Christina. Nearly identical in color, floret size and length of spike. Greater vigor and much more uniform. 3.00

Whirlaway (Yoder). Medium early; deeper color than Mary Ellen. 3.00

YELLOW

ROCKWOOD'S HYBRID YELLOW, NO. 10

A fairly deep yellow, well formed flowers, stems heavy and stiff. Season—late September to June. Pkt. \$3.50

Goldmine. Hybrid double. 3.00

Indian Summer (Pan. Amer.). Medium bright Afterglow bronze; early, strong, vigorous. 3.00

Jubilee (Winkler). Light Apricot bronze. 3.00

Patricia (Yoder) (New Hybrid). Medium yellow. Habit similar to Margaret. 3.50

Sea Biscuit (Yoder Bros.). Good Winter and Spring variety. Uniform, vigorous. 3.00

War Admiral (Yoder Bros.). Excellent Winter variety. Uniform and vigorous. 3.00

BRONZE SHADES

ROCKWOOD'S SMOKY BRONZE

A novelty color for late Spring and Summer blooming only. Season—May to early September. Pkt. \$3.50

Rockwood's Hybrid Bronze, No. 25. Reddish bronze, closely set flowers. 3.50

Barbara (Yoder) (New Hybrid). Large-flowered bronze with pink throat. 3.50

Cavalcade (Yoder Bros.). Lively golden bronze. Vigorous, long spikes. Outstanding keeper. 3.00

Gallant Fox (Yoder Bros.). Deep orange bronze, similar to Lady Dorothy. More vigorous. Compact floret placement. Little earlier than Barbara. 3.00

LAVENDER

Bold Venture (Yoder Bros.). Early uniform, hard stem. Medium floret size. Rich lavender, or bright, light magenta. \$3.00

Rockwood's Hybrid Lavender, No. 20. Rosy lavender similar to Lavender Rose. 3.50

RED

ROCKWOOD'S HYBRID RED, NO. 15

Brilliant scarlet, large, well formed flowers, stems wiry and fairly heavy, early and a good variety for Fall and early Winter blooming. Season—late September to June. Pkt. \$3.50

Better Times (Windmiller). Rich American Beauty Rose red (for Christmas). 2.00

Priscilla Ann (Yoder) (New Hybrid). Early crimson, trace of yellow on lips. 3.50

Red Wing (Weddle) (New Hybrid). Early, velvet red. 3.00

Special Note—Seed should be sown late June or July for Winter flowering in Northern States. Late July or early August in Southern States. High temperatures retard germination. Select a cool location for the seed flats where there is good air circulation. Water sparingly but keep moist, until seedlings are well established. We recommend using sterilized soil and it should not be fertilized. Dust seeds with Proliferol or Hormo-Root before sowing.

Antirrhinum

ALL THE BEST—Greenhouse Forcing "SNAPS"

Originator's Packets

SELF-POLLINATED VARIETIES

WHITE

	<i>Tr. pkt.</i>
Crystal White (New, 1949) (Rockwood). Excellent late variety. Does well late Spring and Summer. For Spring crop—bench by November 1st. For Summer single stem culture bench June 1-15.....	\$3.00
Koester's White. Early pure white.....	1.50
Margaret (J. S. Yoder). Ivory white.....	2.00
Rockwood's Ivory. Rich ivory shaded white. Best white for the Mother's Day market.....	2.00
Rockwood's Winter White (New). Similar to Early White, but taller stems, and a few days later.....	2.00
Snowdrift (Pan. Amer.) (New Double White).....	3.00

PINK AND ROSE SHADES

Gilbert's Pamela Pink. Early medium pink.....	3.00
Gilbert's Pink Supreme. A fine early pink.....	2.00
Peggy Schumann (Schumann). Early. Medium rose pink.....	2.00
Rockwood's Pink Supreme. Brilliant rose pink at its best in midseason.....	2.00

RED

Schumann's Velvet Red (New).....	3.00
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YELLOW

	<i>Tr. pkt.</i>
Ethel (Kramer). Large bright yellow; very early.....	\$1.50
Gilbert's Yellow	2.00
Meine's Easter Yellow. Late. Jumbo florets. Double.	3.00
Peggy Schumann Yellow	2.00
Rockwood's Winter Yellow. Beautiful yellow; one of the best.....	2.00
Rockwood's Canary Yellow. Slightly variegated; medium to late.....	2.00

BRONZE AND ORANGE SHADES

Gilbert's Bronze Beauty. Improved.....	2.00
Rockwood's Lavender Bronze. New two-tone.....	3.00
Rockwood's Winter Bronze (New). Reddish bronze, large and closely set flowers. Stems heavy and almost devoid of laterals.....	2.00

LAVENDER

Rockwood's Lavender Rose. Fine for Easter and Mother's Day markets. Deep rose with a lavender hue.....	3.00
Rockwood's Winter Lavender. Same color as Lavender Rose but much earlier. Blooms with Rockwood's Winter Yellow.....	2.00
Schumann's Lavender	2.00

Forcing "Snap" for Hot Weather

FOR CUTTING LATE MAY TO EARLY SEPTEMBER

Based on observations and experiments for the past few seasons, we find that . . .

Hybrid varieties are best for early sowings for maturity late September to February.

For March to August blooming we advise the better self-pollinating varieties we list, as they seem to crop longer during Spring than the Hybrids do.

Hot weather varieties for June, July and August are very limited. For this purpose we recommend only those listed below. Grow single stem.

	<i>Pkt.</i>
Rockwood's Crystal White	\$3.00
Rockwood's Summer Pink No. 1 (New).....	3.00
Rockwood's Summer Yellow (New).....	3.00
Rockwood's Lavender Rose	3.00
Rockwood's Smoky Bronze	3.00
Rockwood's Summer Red (New).....	3.00



Meine's "Easter Yellow"
Finest Double

Fleck's Outdoor Snaps 175,000 S

STANDARD OUTDOOR RUST-RESISTANT STRAINS

For early Summer cut outdoors sow taller varieties February 1st. For flat and pot sales sow early March

TETRA GIANTS

This comparatively new class of Giant Ruffled are now available in separate colors.

Orchid.

Pink. Medium. Salmon and rose shades.

Sunset. Bronze to primrose shades.

White. Pure white when fully opened.

Yellow. Clear yellow. Tall and base branching. Large florets.

Above, each: Tr. pkt. 75c., $\frac{1}{8}$ oz. \$2.50, $\frac{1}{4}$ oz. \$4.50

Tetraploid. Giant ruffled; mixed. Tr. pkt. 50c., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.35, oz. \$9.00.

MAJUS GRANDIFLORUM—28 in.

Buttercup. Bright yellow. **Pinkie.** Clear rose.

Cherry Rose. Bright rose red. Better Times color. **Rosalie.** Rich deep rose.

Fiery Red. Brilliant.

Shasta. Pure white.

Mixture.

Tr. pkt. 30c., $\frac{1}{8}$ oz. 50c., $\frac{1}{4}$ oz. 90c., oz. \$2.80

MIDGETS TOM THUMB—6-10 in.

Magic Carpet Mixed. Tr. pkt. 50c., $\frac{1}{8}$ oz. 85c., $\frac{1}{4}$ oz. \$1.50, oz. \$5.50.

GIANT SKYSCRAPER (New)

The tallest of them all. 36 inches. Base branching. Each spike having a great number of huge blooms. At present, this blend contains a variety of soft shades with an occasional rosy orange, rosy bronze and delicate lavender.

Tr. pkt. 40c., $\frac{1}{16}$ oz. 85c., $\frac{1}{8}$ oz. \$1.60, $\frac{1}{4}$ oz. \$3.00

COLOSSAL STRAIN (Mixture)

This strain has tremendous vigor. Stems 3 feet. Flowering spike filled with well spaced huge blooms. Does well even under poor weather conditions.

Tr. pkt. 35c., $\frac{1}{8}$ oz. 80c., $\frac{1}{4}$ oz. \$1.60, oz. \$4.90

MAXIMUM GRANDIFLORUM—34 in.

Alaska (Snowflake). White.

Red Cross. Crimson with white tube.

Canary Bird. Canary yellow.

Crimson King. Fiery crimson.

Velvet Giant

Indian Summer. Coppery orange scarlet.

Fleck's California Giants Mixture. Our Own Blend of All the Best in This Class.

Loveliness. Soft rose pink.

Prices of above:

Tr. pkt. 30c., $\frac{1}{8}$ oz. 50c., $\frac{1}{4}$ oz. 90c., oz. \$2.80

Pan American Pink. New hybrid. Long spikes. Ideal cut. Orig. pkt. \$3.00.

ARCTOTIS - African Lilac Daisy



Arctotis

Tr. pkt. $\frac{1}{4}$ oz. Oz.

Grandis. 25,000 S. Single, silvery white, Daisy-like flowers with lilac shading and dark center. 30 in. \$0.20 \$0.35 \$1.00

Hybrids. 7700 S. Large-flowered, many attractive shades; resembling Gerberas. 2½ to 3 in. across.50 1.45 4.40

ASPARAGUS

Northwest Grown—The Finest

Seeds: 100 250 500 1000

Plumosus nanus. \$0.50 \$1.25 \$2.45 \$4.75

Sprengeri.35 1.00 1.90 3.50

BACHELOR BUTTONS - See Centaurea

BALSAMS 3300 S



Balsam, Bush Flowering

DOUBLE BUSH TYPE—15 in.

Flowers appear in clusters on top of stem.

Rose **Scarlet** **White** **Mixed**

Prices of Bush-flowered: Tr. pkt. 35c., $\frac{1}{4}$ oz. 75c., $\frac{1}{2}$ oz. \$1.15, oz. \$2.25

DOUBLE CAMELLIA-FLOWERED—18 in.

Mixture. Tr. pkt. 20c., $\frac{1}{4}$ oz. 30c., $\frac{1}{2}$ oz. 55c., oz. \$1.00

Fleck's Asters

Wilt-Resistant Strains 12,000 S



Heart of France



Princess Type



American Branching



Giants of California

AMERICAN BEAUTY—30 in., Early

Azure Blue	Deep Rose	Early Ball White
Crimson	Purple or Dark Blue	Choice Mixed

AMERICAN BRANCHING—24 in.

Midseason

Azure Blue	Ball White	Ball Phlox,
Heart of France	Ball Deep Rose	pink
crimson	Ball Purple	Choice Mixed

QUEEN OF THE MARKET—20 in.

Earliest

Azure Blue	Dark Blue or Purple	White
Crimson	Rose	Choice Mixed

Ballet Queen, deep salmon rose

Prices of any of the above Asters:

Tr. pkt. 35c., $\frac{1}{4}$ oz. 65c., oz. \$2.00, $\frac{1}{4}$ lb. \$7.00

Newer varieties in the

AMERICAN BRANCHING CLASS

Azure Blue	Pink Ball	Rose Ball
White Ball		Mixture

Above, each: Tr. pkt. \$1.40, $\frac{1}{4}$ oz. \$2.50, oz. \$7.50

GIANTS OF CALIFORNIA—30 in.

Curled and Interlaced, Improved

Crimson	Deep Rose	Light Blue
White	Giant Shell Pink	Mixed

Prices, Giants of California:

Tr. pkt. 50c., $\frac{1}{4}$ oz. 90c., oz. \$3.00

PRINCESS—24-30 in.

New Cutting Type—Tall, Branching

Anne. Peach blossom.	Linda. Clear rose.
Barbara. Orchid.	Marsha. Rich scarlet.
Bonnie. Soft salmon rose.	Margaret. Deep rose.
Elizabeth. Pure white.	Susan. Deep blue.
	Mixed.

Prices of Princess:

Tr. pkt. 40c., $\frac{1}{4}$ oz. 90c., oz. \$3.00, $\frac{1}{4}$ lb. \$10.00

MIXTURES

Finest Mixture of All Doubles. Tr. pkt. 50c., $\frac{1}{4}$ oz. 90c., oz. \$3.00, $\frac{1}{4}$ lb. \$9.00.

SINGLES

Fleck's Rainbow Mixture. A colorful blend of single and semi-double flowers. Plants branch upright and make very even growth, for easy cutting and bunching. Tr. pkt. 30c., $\frac{1}{4}$ oz. 45c., oz. \$1.50, $\frac{1}{4}$ lb. \$5.00.

Begonia

FIBROUS-ROOTED—ALL THE BEST

We Offer Only Varieties (Such as Listed Below) That Have Definitely Proved Themselves Worthy of a Grower's Time

Everblooming types, especially adapted for bedding and border plantings. Seeds we offer here have been produced by Begonia specialists who introduced many of these varieties. January sowing will produce choice plants for Spring sales, but seeds may be sown any time.

EXTRA DWARF VARIETIES

Fleck's Dwarf Carmen. Light pink flowers. Rich bronze leaves. Extra compact habit.

Saga. Bright red. Extra dwarf; dense growth.

Prices of the above:

Tr. pkt. \$1.25, 1/64 oz. \$3.50, 1/32 oz. \$6.50

GRACILIS TYPES—6 to 10 in.

Dwarf and Medium Tall Varieties	Tr. pkt.	1/64 oz.	1/32 oz.
Adeline. Rich rose pink. Green foliage. Dwarf, compact. Very similar to Pink Pearl.....	\$1.50	\$3.25	\$6.00
Ball Red. Bright red; medium dwarf.....	1.50	3.25	6.00
Ball Deep Rose. Deep rosy red which gradually fades to a luminous pink. Green foliage.....	1.50	3.25	6.00
Carmen. Clear rose pink, greenish bronze foliage; 8 to 10 in. Makes a beautiful pot plant.....	1.25	2.75	5.00
Indian Maid. Similar in habit of growth to Carmen with reddish, dark bronze foliage. Bright scarlet.....	1.25	2.75	5.00
King of the Reds. Glowing scarlet, foliage green with bronze edge.....	1.25	2.75	5.00
Luminosa. Rich deep scarlet with dark foliage. Very floriferous. Height 10 in...	1.25	3.00	5.25
Luminosa compacta. Dwarf growing in perfect little global plants; 6 to 8 in. reddish brown foliage.....	1.50	3.25	5.50
Prima Donna. Rose pink.....	1.25	2.00	3.50
Snowbank. Finest white for pot plant sales. Light green foliage.....	1.25	2.75	5.00
Dwarf Mixed. Choice blend of all the above including the new extra dwarfs.....	1/16 oz. \$9.00,	1.50	3.00 5.25

SEMPERFLORENS—10 to 14 in.

Taller Varieties

Christmas Cheer. Brilliant cherry crimson of distinct shade; large bronze foliage.	\$1.00	\$2.00	\$3.75
Ile de France. Snow white, exceedingly large flowers; light green foliage.....	1.00	2.00	3.50
Masterpiece. Pure rose pink; large flowers; light green foliage.....	1.25	2.25	4.00
Scandinavia Pink. Large flowers, green foliage. Bright rose pink. Dwarf and bushy.....	1.00	2.75	5.00
Scandinavia Red. Bright carmine scarlet.	1.00	2.75	5.00
Scandinavia White.	1.00	2.75	5.00
Special Mixed.	1/16 oz. \$6.50,	1.25	2.50 4.00



Begonia

BELLS OF IRELAND

7000 S

Produces spikes of large, bell-like sheaths of translucent green surrounding a small white flower. Base branching. Good for cutting. Can be used also as a dried filler

Tr. pkt. 55c., 1/4 oz. \$2.00, oz. \$6.50



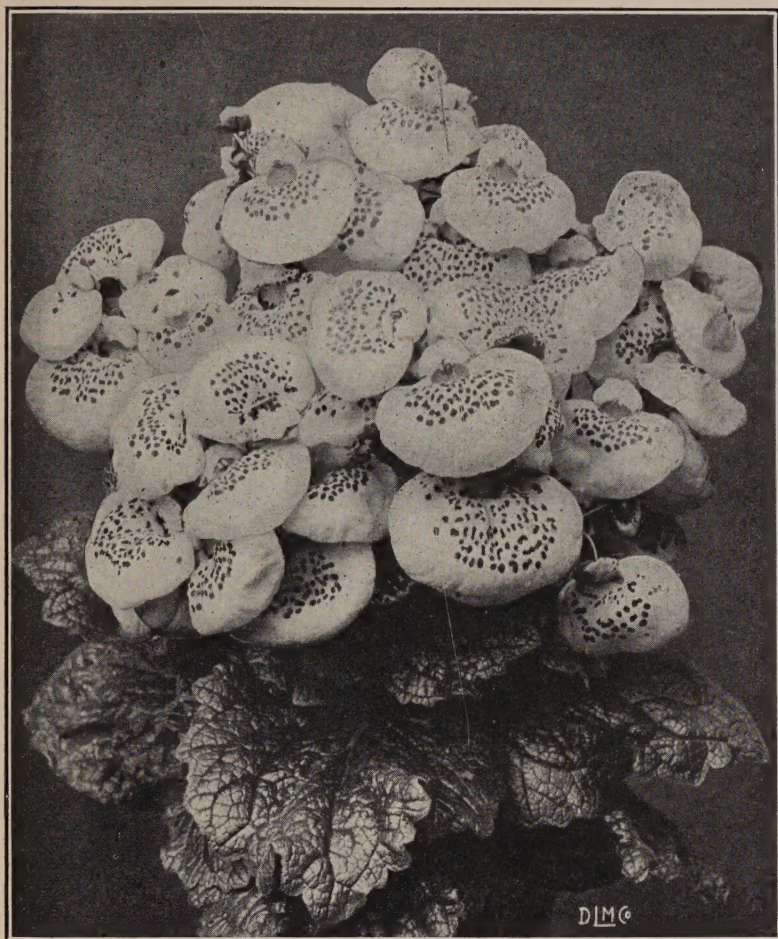
Browallia

BROWALLIA

65,000 S

Speciosa major. Rich blue, fine for pot or basket work. Tr. pkt. \$1.00, 1/16 oz. \$2.25, 1/8 oz. \$4.00, 1/4 oz. \$7.50.

Viscosa compacta, Sapphire. Dark blue with white eye; 9in. Tr. pkt. 40c., 1/16 oz. \$1.10, 1/8 oz. \$2.00, 1/4 oz. \$3.60.



CALCEOLARIA

Approximately 10,000 S to 1/64 oz.

Calceolaria do not like direct sun but a light, airy place and temperature around 50 degrees.

To finish in 6-inch pot for Easter sow seeds June-July. To finish in 5-inch sow about August 15. For 4-inch sow about September.

In our experience we have found either of the 2 mixtures below to be the best for florists requirements. The Multiflora nana make especially nice pot plants in 4's for Easter sales.

Tr. 1/128 1/64
pkt. oz. oz.

Multiflora nana, Mixed. Flowers profusely; of medium size; gay colors. Very popular. 10 in. 1/32 oz. \$8.50, \$1.10 \$2.50 \$4.50

Triumph Strain (Hybrid). Outstanding; bright shades of yellow, orange, red and rose. Large flowers, mostly tigered or spotted. 1.10 1.75 2.75

CACTUS

Tr. pkt. 1/8 oz. 1/4 oz. Oz.

Extra Choice Mixed. \$0.60 \$1.25 \$2.25 \$6.90

CALLIOPSIS

90,000 S

Tr. pkt. Oz.

Dwarf Goblin. 6 in. Dwarf, compact, for pot sales. Mixture of Yellows, Reds, Browns and Bicolors. 1/4 oz. 75c. \$0.40 \$2.50



CAMPANULA

Blooms in 6 months from seed

(Annual Canterbury Bells, 2½ ft.)—50,000 S

Mixture. Tr. pkt. 20c., 1/4 oz. 40c., oz. \$1.25.

BIENNIAL and PERENNIAL CAMPANULA—Listed on page 38.

CALENDULAS

3000 S

One of our specialties. We offer the finest strains available anywhere. None better.

GREENHOUSE VARIETIES

Fleck's Orange. A fine, reselected strain for florists. Orange red with dark center. Very large, double flowers with long orange petals. Vigorous habit, long stems. 30 to 36 in.

Apricot Beauty (New). Superior in every way to Ball Apricot Improved.

Ball Apricot Improved. Buff color with dark eye.

Ball Lemon Queen. Lemon yellow with brown eye.

Ball Improved Long Orange. Long stemmed; large flowered variety. Golden orange with light eye.

Fleck's Special Florists' Mixture.

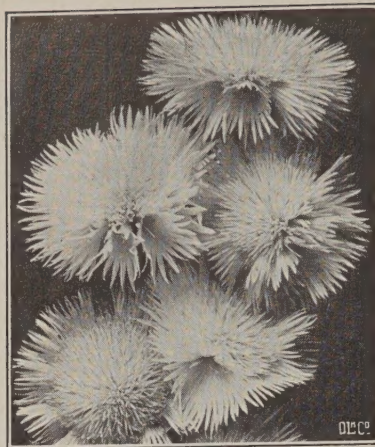
Tr. pkt. 50c., 1/4 oz. 75c., oz. \$2.50, 1/4 lb. \$7.65



Candytuft



Celosia, Feather Variety



Centaurea, Imperialis



Centaurea, Candidissima

CANDYTUFT

(Coronaria—12 in.—Annual)—9500 S

Giant Hyacinth-flowered. White; finest strain.
Tr. pkt. 30c., oz. 95c., $\frac{1}{4}$ lb. \$3.00, lb. \$9.60.

UMBELLATA—12 in.

Crimson
Flesh Pink

Lavender
Rose Cardinal
Choice Mixed

Rose
White

Tr. pkt. 20c., oz. 50c., $\frac{1}{4}$ lb. \$1.65, lb. \$5.50

Dwarf Hybrid Mixed. Fine for pot sales or combinations.
4-6 in. Tr. pkt. 20c., oz. 95c.

PERENNIAL CANDYTUFT—Listed on page 38.

CELOSIA

CRISTATA, DWARF (Cockscomb Types)—12 in.
28,000 S

Dwarf Empress. Scarlet, bronze green foliage.

Glasgow Prize. Deep crimson, bright green foliage.

Dwarf Mixed. Fine blend.

Above, each: Tr. pkt. 30c., $\frac{1}{4}$ oz. 65c., oz. \$2.25

TALL COCKSCOMB

Gilbert's Maple Gold. Pink shades tipped gold. Very attractive. Produces 8 to 12 flower heads, more if center is pinched. Height 30-36 in. Pkt. 50c.

PYRAMIDALIS—12 in.

Fine for pots and combinations. Upright plumes.

Fiery Feather

Golden Feather, fine for pots

Feather Mixture

Tr. pkt. 30c., $\frac{1}{8}$ oz. 70c., $\frac{1}{4}$ oz. \$1.25, oz. \$4.25

TALL PYRAMIDS

Fine strains. Excellent for cut. Contains few copper and gold shades but predominant in brilliant reds and yellows.

Pride of Castle Gould. Deep crimson. 2 ft. Tr. pkt. 35c., $\frac{1}{4}$ oz. 70c., oz. \$2.25.

Thompsoni magnifica, Mixed. 2 ft. Tr. pkt. 30c., $\frac{1}{4}$ oz. 60c., oz. \$2.00.

SPICATA—3 to 5 ft.

This type has many uses. Good filler for baskets, bouquets and for drying. Flowers bright rose which changes to silvery white.

Tr. pkt. 25c., $\frac{1}{4}$ oz. 60c., oz. \$1.75

CHEIRANTHUS - See Perennial Section

CHRISTMAS PEPPER -See Solanum

CHINESE FORGET-ME-NOT - See Cynoglossum

CARNATION—14,000 S

Extra large flowers; long, stiff stems.

ENFANT DE NICE—Everblooming, 20 in.

Salmon	Red	Rose	White	Mixed
Tr. pkt. 50c., $\frac{1}{8}$ oz. \$2.25, $\frac{1}{4}$ oz. \$4.00				

CHABAUD'S GIANT IMPROVED—16 to 20 in.

Early and Perpetual Flowering—Clove-scented

These Carnations bloom five months from time seed is planted and continue throughout the Summer. The plants are of robust, upright habit; form 10 to 20 stalks, bearing huge flowers of fine form. They come about 95 per cent double, are true and are clove-scented.

Crimson
Deep Rose
Yellow

Deep Salmon
Rose Pink

White
Special Mix

Tr. pkt. 40c., $\frac{1}{8}$ oz. 55c., $\frac{1}{4}$ oz. \$1.00, oz. \$3.50

MARGUERITE

Fleck's Top Notch Double Mixture. Free flowering Summer Carnation. Tr. pkt. 25c., $\frac{1}{8}$ oz. 40c., $\frac{1}{4}$ oz. 65c., oz. \$2.20.

PERENNIAL CARNATIONS—Listed on page 38.

CENTAUREA

CYANUS (Double Cornflower, 30 in.)

For Spring greenhouse flowering or outdoors in June and July from a Fall sowing. We offer the finest strains available.
6500 S

Blue Boy. Good forcer

Red Boy.

Pinkie. Rose pink.

Snow Queen.

Fleck's Special Mixed. Florist strain.

Above, each:

Tr. pkt. 25c., oz. 50c., $\frac{1}{4}$ lb. \$1.65, lb. \$5.50

DWARF—For Pots, Borders

Tr. pkt. $\frac{1}{4}$ oz. Oz.

Jubilee Gem. Deep blue.....\$0.25 \$0.40 \$1.10

Polar Gem. Upright bush habit; pure white .30 .60 1.75

GIANT IMPERIALIS

Sweet-scented Cut Variety—30 in.

Thistle-like flowers and larger than the Cyanus type.
7500 S

Amaranth Red

White

Brilliant Rose

Lavender Beauty. Light lavender with creamy white center.

Suaveolens. Yellow Sweet Sultan. 20 in.

Mixed. Blend of above.

Above, each:

Tr. pkt. 20c., $\frac{1}{4}$ oz. 35c., oz. \$1.00

DUSTY MILLER

Fine for borders, vase and basket work.

7500 S

Tr. pkt. $\frac{1}{4}$ oz. Oz.

Candidissima. Silver gray foliage; slow grower; start early. 6 in.....\$0.50 \$1.10 \$3.75

Gymnocarpa. Fine silvery foliage; fern-leaved, strong grower. 24 in. $\frac{1}{4}$ lb. \$2.75, .20 .30 .90

CENTAUREA MONTANA—Listed on page 38.

CHRYSANTHEMUMS (Annual—2 ft.) 9000 S

Good cut varieties for Spring. Space at least 12x12 in. Responds well to electric light forcing. Germination little slow and irregular.

CARINATUM—SINGLES

Atrococcineum. Bright crimson.

Burridgeanum. White and rose.

Eastern Star. Yellow with black disc.

Luteum. Pale yellow.

Northern Star. Giant white, light yellow center with black disc.

All Singles, Choice Mixture.

Prices of above, each:

Tr. pkt. 20c., 1/4 oz. 60c.

CORONARIUM

Tr. pkt. 1/4 oz. Oz.

Double Mixed. 4 ft. \$0.20 \$0.35 \$1.00

INODORUM

Bridal Robe. Pure white, extra double... \$0.35 \$0.85 \$2.50

SPECIAL MIXTURE

Fleck's Rainbow. Single and Double... \$0.30 \$0.60 \$2.00

For Hardy "MUMS" see page 38.

CINERARIA

All the Better Strains



Cineraria, Multiflora Nana

Berlin and Sitters run about 3600 S to 1/32 ounce. Others about 5000 S to 1/32 ounce. Sow from June on for Christmas and later flowering. Sow in sterilized soil.

Tr. 1/64 1/32 1/16

Berlin or Potsdam Strain, Mixed. Fine strain producing large rounded heads; medium large flowers, compact plants. \$1.00 \$2.00 \$3.75 \$7.00

Cremer's Prize Strain Mixture. Excellent florists mixture; about half light eyed. 1.75 2.45 4.45 8.00

Multiflora nana Mixed. Dwarf compact plants producing masses of small flowers; very popular. 1.25 2.00 3.50 6.50

Siter's Rainbow Mixture. Large-flowered, compact; mostly white eyed and small foliage. 2.00 2.75 4.95 8.80

Fleck's Blend. This is a carefully blended mixture containing all of the above. 75% being Cremer's and Siter's strains. 2.00 2.90 5.00 8.95

CLARKIA

ELEGANS DOUBLE—24 in.

Popular Spring cut flower. Sow in January and grow in shallow soil, disbudding to 2 or 3 spikes for long-stemmed flowers. Keep fairly dry after plants are foot high to prevent soft lanky growth. Do not feed.

90,000 S

Albatross. Pure white.

Brilliant. Deep rose.

Orange King. Bright salmon orange.

Double Mixed.

Tr. pkt. 20c., 1/4 oz. 35c., oz. \$1.25

CLEOME - Spider Plant 4 ft.

12,000 S

Tr. pkt. 1/4 oz. Oz.

Pink Queen. Brilliant rose pink fading

to clear white. \$0.35 \$0.55 \$1.90

COBAEA

SCANDENS (Cathedral Bells)

380 S

Tr. pkt. 1/4 oz. Oz.

Annual Climber. Strong grower; violet

blue purple. \$0.30 \$0.60 \$1.80

COCKSCOMB - See Celosia

COLEUS

Finest Strains—None Better

7000 S per 1/16 oz.

Giant Rainbow Mixture. Wonderful range of endless brilliant colors. Easy to grow this superb blend. Patient work and constant checking has made this mixture one of the finest ever offered anywhere. 1/2 tr. pkt. 90c., tr. pkt. \$1.60, 1/64 oz. \$2.60, 1/32 oz. \$5.00, 1/16 oz. \$9.00.

Glory of Vichy. Golden, apricot and copper shades.

Tr. pkt. \$1.20, 1/32 oz. \$2.40, 1/16 oz. \$4.00

COSMOS

SINGLE EARLY FLOWERING—40 in.

3000 S—Blooms in 3 months

Orange Ruffles. Semi-double, orange. Blooms profusely.

Yellow Flare. Bright yellow.

Mixture of Above.

Tr. pkt. 20c., 1/4 oz. 35c., oz. \$1.00

SENSATION, SINGLE—40 in.

Blooms in 10 weeks after sowing. Very early and true to color. Extra large flowers. Fine for cut. Suitable for outdoors even in northern climates.

5000 S

Tr. pkt. 1/4 oz. Oz.

Crimson Dazzler. Bright crimson. An

improved strain. \$0.25 \$0.50 \$1.60

Pinkie. Rose pink.25 .40 1.10

Purity. White.25 .40 1.10

Radiance. Deep rose with large crimson eye.25 .50 1.60

Mixed.25 .40 1.10

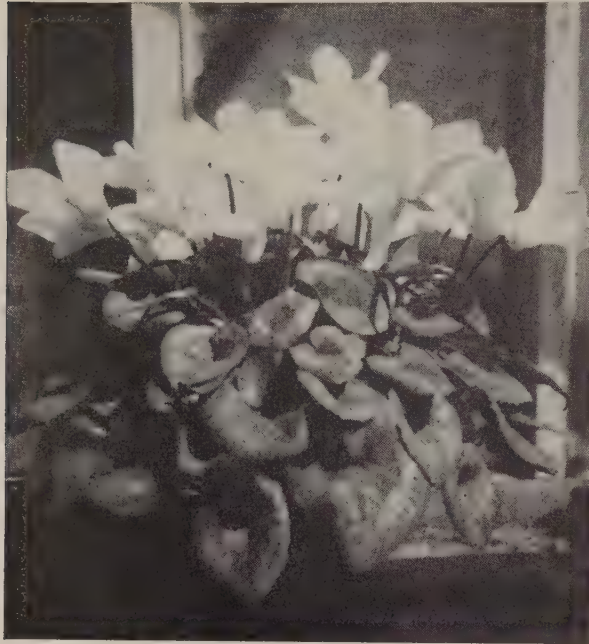
Cyclamen

OUTSTANDING FINE STRAINS SELECTED FOR GIANT FLOWERS AND BEAUTIFUL FOLIAGE

Originator's Seed—American Grown

Sow from May to January in sterilized soil. Grow cool and shaded. Always shift to larger pots before any chance of plants becoming pot bound. This prevents stunting. Discounts same as on all Flower Seeds.

250 of a variety at 1000 rate—extra 5 per cent discount on 10,000



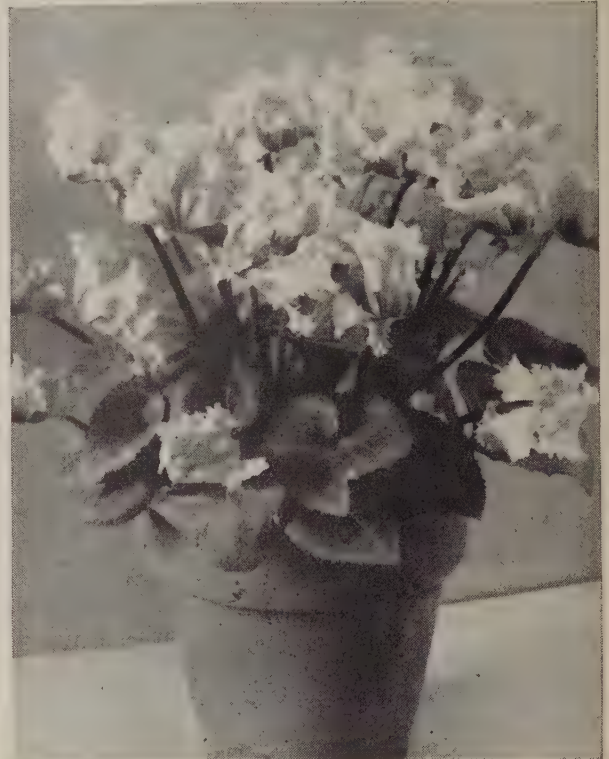
Cyclamen, Silver Foliage

Seeds: 100 1000

Fleck's Silver Foliage. Salmon red bloom.
Makes a beautiful and unique pot plant. Outstanding.....\$2.50 \$22.00

Bright Red.....\$1.90 \$16.00
Pure White. Very large bloom..... 1.90 16.00
White with Carmine Eye..... 1.90 16.00

Perle of Zehlendorf. Dark salmon improved.\$2.40 \$18.00
Saffron Red. Red, with salmon glow..... 2.40 18.00
Saffron Red. Silver edged..... 2.40 20.00



Cyclamen, Fringed

Seeds: 100 1000

Fringed Mixed.....\$2.30 \$21.00

America Improved. Salmon scarlet.....\$2.40 \$21.00
Bonfire, or Leuchtfeuer. Brilliant salmon red..... 2.40 20.00
Mozart. Deep pink, exquisite..... 2.40 21.00

Fleck's Special Mixture. All varieties.....\$2.50 \$22.00

VOGT'S DOUBLE STRAIN

Double flowers in very attractive shades. Free bloomer.
Mixture.—Of all the best colors.....\$3.50 \$25.00

CUPHEA - Cigar Plant

7000 S—12 in.

Firefly. Bright scarlet flowers. This makes a nice, bushy, compact pot plant for Spring sales. Excellent for bedding or borders, window boxes, etc. March sowing. Blooms all Summer. Tr. pkt. 25c., 1/8 oz. 75c., 1/4 oz. \$1.35.

CYNOGLOSSUM -

Chinese Forget-me-not

5000 S

Tr. pkt. 1/4 oz. Oz.

Firmament. Beautiful clear blue; 15 in., bushy, compact. Fine bedding plant....\$0.20 \$0.40 \$1.35

DAHLBORG DAISY

A very attractive, compact, 6-8 inch edging plant, lacelike leaves. Produces a profusion of small golden flowers until frost. Forms an even row, 12 to 14 inches across. Germinates best during Spring months.

Tr. pkt. 60c., $\frac{1}{8}$ oz. \$1.40, $\frac{1}{4}$ oz. \$2.40

DAHLIAS



Dahlia, Unwin's Ideal Dwarf

Blooms in 3 to 4 months—2800 S

New Extra Dwarf Unwins. A new, improved mixture. Reselected for uniform dwarfness. Attractive color range in double and semidouble flowers. Tr. pkt. 40c., $\frac{1}{4}$ oz. 90c., oz. \$3.30, 4 ozs. \$12.00.

Cactus-flowered. Tr. pkt. 60c., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.25.

Unwin's Dwarf Hybrids Mixed. Semi-double early flowering. Height 18 in.

Unwin's Ideal Bedding Mixture. Improved early flowering double and semi-double; curled and quilled. Attractive color range; 24 in.

Price of above: Tr. pkt. 25c., $\frac{1}{4}$ oz. 65c., oz. \$2.45, $\frac{1}{4}$ lb. \$7.35

DAISY

See the following in Annual or Perennial Sections under *Agatheia*, *Arctotis*, *Bellis*, *Brachycome*, *Chrysanthemum*, *Dimorphotheca*, *Gerbera*, *Mesembryanthemum*, *Pyrethrum*.

DIDISCUS

10,000 S Tr. pkt. $\frac{1}{4}$ oz. Oz.

Coeruleus (Blue Lace Flower). 2 ft. See also "Queen Anne's Lace Flower" for white which can be dyed any color. . . . \$0.20 \$0.35 \$1.00

DRACAENA

Tr. pkt. Oz. $\frac{1}{4}$ lb.

Indivisa. 1500 S. Narrow-leaved variety.

Lb. \$14.50 \$0.40 \$1.25 \$4.00

DUSTY MILLER—See *Centaurea*, page 8.

DIANTHUS -

Annual Sweet William



Double Dianthus

25,000 S Tr. pkt. $\frac{1}{4}$ oz. Oz.

Chinensis, Double Mixed. 20 in.

$\frac{1}{4}$ lb. \$2.50 \$0.20 \$0.40 \$1.00

Chinensis, Single Mixed. 20 in.

$\frac{1}{4}$ lb. \$2.00, .15 .30 .90

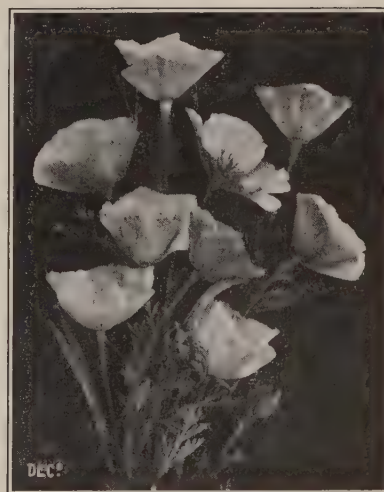
Sweet Wivelsfield, Single Mixed. Beautiful markings; 12 in.15 .30 1.00

Sweet Wivelsfield, Double Mixed. 12 in. .30 .70 2.25

For PERENNIAL DIANTHUS (Hardy Pinks) and DIANTHUS barbatus—See page 39.

ESCHSCHOLTZIA -

California Poppy



12 in.—20,000 S

Aurantiaca. Orange (True California Poppy).

Carmine King. Deep carmine.

Prices of above: Tr. pkt. 20c., oz. 50c.

Fleck's Rainbow Hybrids. Makes compact plants. Single ruffled flowers. Contains all colors to date.

Tr. pkt. 40c., $\frac{1}{4}$ oz. 70c., oz. \$2.25

EUPHORBIA - Mexican Fire Plant

Tr. pkt. ¼ oz. Oz.

Variegata (Snow-on-Mountain). 2,500 S. \$0.20 \$0.30 \$1.00

EXACUM

28,000 S per 1/32 oz.

Affine. Fragrant, violet blue flowers. Makes a fine, neat pot plant. Easy to grow. ½ tr. pkt. 60c., tr. pkt. \$1.25, 1/128 oz. \$3.00, 1/64 oz. \$5.50.

FELICIA

2 in.

Tr. pkt. ¼ oz.

Bergeriana. Dwarf blue, star-shaped flower.

A gem for the rock garden.....\$0.35 \$1.00

FEVERFEW - See Matricaria

FORGET-ME-NOT - See Myosotis

FOUR O'CLOCK - See Mirabilis

GAILLARDIA

(Annual)—20 in.

14,000 S

Tr. pkt. ¼ oz. Oz.

Indian Chief. Single bronze red.....\$0.20 \$0.35 \$1.00

Lorenziana, Double Mixed...... .20 .35 1.00

Sunshine, Double Mixed. Full, double blooms about 2½ in. across on stems 18 in. long. Attractive shades of wine red, yellow and bicolor red and yellow. Good Summer cut..... .30 .70 [2.40

For PERENNIAL GAILLARDIA—See page 39.

GAZANIA - See Perennial Section

GERBERA - Transvaal Daisy

Greenhouse Perennial Seeds: 100 1000

Duplex Hybrids. Bright colors; large flowers on long stems.....\$0.65 \$5.50

GOMPHRENA - Globe Amaranth

5500 S

Tr. pkt. ¼ oz. Oz. ¼ lb.

Buddy. Bright reddish purple; dwarf,

compact.....\$0.30 \$0.75 \$2.25 \$6.95

GOURDS (Ornamental)

450 S

Large Mixed. 9 varieties.

Small Mixed Fancy Sorts. 11 varieties.

Large and Small Mixed. 20 varieties.

Tr. pkt. 20c., oz. 75c.

GREVILLEA - Silk Oak

(3000 S)

Robusta. Fine foliage plant for holiday baskets. Seeds sown about June will make nice, 3 in. for Poinsettia pans.

Tr. pkt. 25c., ¼ oz. 65c., oz. \$2.00.

GYPSOPHILA - Baby's Breath

24 in.—Annual—24,000 S

TRUE STRAINS

Easy grower, free blooming. Every florist should grow this to fill in with cut flowers, etc.

New York Market. White Grandiflora, large flowering type. Special strain. We consider this variety the only worthwhile for commercial growers.

Oz. 35c., 4 ozs. 75c., lb. \$2.80, 5 lbs. \$10.50

COLORS

Tr. pkt. ¼ oz. Oz. ¼ lb.

Carminae. Bright carmine pink...\$0.15 \$0.35 \$1.20 \$4.00

Rosea. Rose pink..... .15 .35 1.20 4.00

HARDY GYPSOPHILA—Listed on page 40.

HELIANTHUS - Double Sunflower

650 S

Seeds sown outdoors in early May will produce a profusion of double flowers like Chrysanthemums during August. Fine for cutting and shipping to market or for basket work.

Sun Gold. Bright golden yellow, large, free flowering 100% double. 4 to 5 ft.

Tr. pkt. 20c., ¼ oz. 30c., oz. \$1.00, ¼ lb. \$3.50, lb. \$9.50



Helianthus



Helichrysum

HELICHRYSUM MONSTROSUM

Double Strawflower

The finest for drying purposes.

36 in.—35,000 S

Canary Yellow

Salmon Queen. Salmon

Crimson or Fireball

pink

Golden Globe

Silver Ball. White

Rose Queen. Rose pink

Violet

Choice Mixed

Tr. pkt. 25c., ¼ oz. 35c., oz. \$1.00, 4 ozs. \$3.85

TOM THUMB

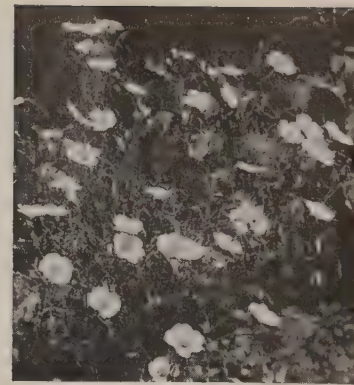
Dwarf Double Mixture. Tr. pkt. 25c., ¼ oz. 40c., oz. \$1.25, 4 ozs. \$3.85.



Heliotrope



Impatiens



Linum

HELIOTROPE

50,000 S	Tr. pkt. 1/4 oz.	Oz.	
Regale Mixture, Dwarf. 15 in. This is about the best strain for evenness of color with large flower heads.....	\$0.40	\$1.00	\$3.25
Lemoine's Giant Mixture. 24 to 30 in...	.40	.80	2.50
Marine. New, deep violet color. Large flower heads.....	.50	1.00	3.50

IBERIS

See CANDYTUFT in Annual and Perennial Sections

IMPATIENS

Best European Strains

Ideal for shaded locations. Good Spring seller.
Can also be flowered for Christmas.

DWARF VARIETIES

Sultani Dwarf Bright Carmine. 6 in.			
Sultani Dwarf Mixture. 6 in. Many shades; flowers continuously.			
Holsti Salmon. 6 in.			
Tr. pkt. \$1.25, 1/32 oz. \$2.00, 1/16 oz. \$3.75			

TALL VARIETIES

Sultani Hybrids Mixed. 18 in.			
Holsti Vermilion. 18 in. Excellent for Summer bedding.			
Holsti Hybrids Mixed. 18 in. Many shades.			
Tr. pkt. 50c., 1/16 oz. \$1.10, 1/8 oz. \$2.00			

IPOMOEA - Morning Glory

(MOONFLOWER) Tr. pkt. 1/4 oz. Oz. 1/4 lb.

Cornell. Red bordered white, heavy growth; attractive, bright green foliage.....	\$0.25	\$0.50	\$1.65	....
Heavenly Blue, Clarke's Early. 800 S.....	.25	.35	.75	\$2.25
Noctiflora. Large-flowered white. 110 S. Night blooming..Lb. \$4.00	.25	.35	.75	2.40
Pearly Gates. White.....	.35	.50	1.65	5.50
Scarlett O'Hara. Brilliant carmine red. 650 S.....	.20	.45	1.25	4.50

KALANCHOE (Succulent)

Sow January or February for next Winter sales.

	Tr. 1/64	1/32	
Blossfeldiana globuliflora coccinea. Tall, pkt. oz. oz.			
bright scarlet.....	\$0.60	\$1.65	\$3.00
Brilliant Star. Hybrid. Makes fine pot plant. Blooms about three times size of other Kalanchoe. Bright fiery red. 12 in. stems extend above the foliage. Nice for cuts.....	1/128 oz.	\$3.50	1.75 6.50
Tom Thumb. Dwarf strain of Blossfeldiana, ideal pot plant. Bright scarlet.....	1.25	5.50	10.00

KOCHIA

Mexican Fire Bush or Summer Cypress

45,000 S	Tr. pkt. Oz.	
Childsi, Improved.	\$0.15	\$0.35

LEPTOSYNE

Excellent for cutting—8 weeks from seed.

26,000 S	Tr. pkt. 1/4 oz. Oz.	
Golden Rosette. Double, golden yellow.	\$0.30	\$0.60 \$2.00
Stillmani. Golden yellow. 18 in.....	.20	.30 1.00

LINARIA - Maroccana

(Baby Snapdragon)

10 to 18 in.—600,000 S

Fairy Bouquet. Brilliant fairy shades, distinct and attractive. Free flowering; early.			
Tr. pkt. 20c., 1/4 oz. 50c., oz. \$1.75			
Northern Lights. New, improved. Taller. Includes new and brighter shades.			
Tr. pkt. 35c., 1/4 oz. \$1.00, oz. \$3.00			

LINUM

Annual—18 in.

Rubrum. Scarlet flax; bright red flowers about 1 in. across.			
Tr. pkt. 25c., oz. 50c., 4 ozs. \$1.35, lb. \$5.00			

PERENNIAL LINUM—Listed on page 41.

Larkspur—8000 S

A January sowing of Larkspur will flower about May, depending on temperatures. While its sown outdoors to advantage in the Fall, Spring sowings do about as well if sown the first day the ground can be prepared. To get best germination results freeze seeds for several days before sowing. You may also sow in December to bench after Mums. In ground beds place them 12 x 12 inches. Raised beds 10 x 10 inches.

LARKSPUR

SUPREMES—IMPROVED GIANT IMPERIALS—4 ft.

Base branching, tall, upright.

Dark Blue	Pink	White
Light Blue	Rose	Supreme Mixture
Lilac	Salmon	

Tr. pkt. 30c., 1/2 oz. 70c., oz. \$1.25, 4 ozs. \$4.00, lb. \$12.50

REGAL STRAIN (New)

Base branching. Huge, Delphinium-like florets on long, thick spikes. Doubles.

Lilac	Salmon Rose
Rose	White (Pure white)
Mixture	

Tr. pkt. 40c., 1/4 oz. 70c., 1/2 oz. \$1.00, oz. \$1.95, 4 ozs. \$6.45, lb. \$19.50

LOBELIA

4 in.—710,000 S

Early sowing recommended.

Fleck's Blue Stone. Dwarf bright rich blue, compact.

Emperor William. Dwarf gentian blue.

Mrs. Clibran. Improved, deep blue with white eye.

Tr. pkt. 30c., 1/8 oz. 50c., 1/4 oz. 85c., oz. \$3.15

PERENNIAL LOBELIA—Listed on page 41.

LUPINUS - Hardy Annuals—1400 S

HARTWEGI GIANTS—24 in. to 3 ft.

Giant King Blue. Oxford blue.

Giant King Heliotrope. Rosy purple.

Giant King White. Pure white.

Giant King Mixed.

Tr. pkt. 25c., 1/4 oz. 40c., oz. 85c., 1/4 lb. \$2.65, lb. \$8.40

DWARF VARIETIES

Excellent for pot sales or combinations.

NEW DWARF—8 in.

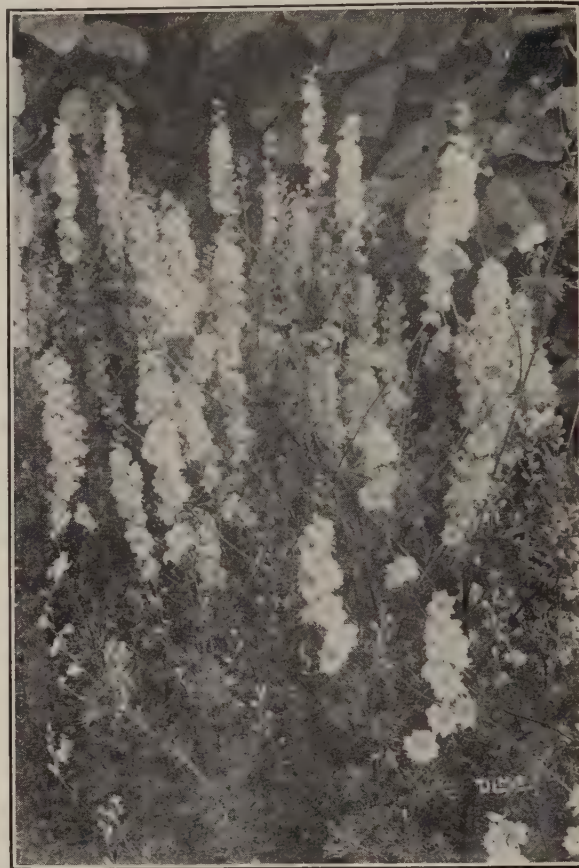
Pixie Delight (New). Mixture of pink, rose, blue, lavender and white as well as bicolors. Very early, free bloomer. Tr. pkt. 35c., 1/4 oz. 70c., oz. \$2.10

SUBCARNOSUS—12 in.

Texas Blue Bonnet. Dwarf.

Tr. pkt. 40c., oz. \$1.00, 1/4 lb. \$3.25, lb. \$9.00

FOR PERENNIAL LUPINUS—See page 42.



Larkspur



Lupinus

MARIGOLD - See Page 16

MESEMBRYANTHEMUM

Crinifolium (Livingstone Daisy). Compact plants covered with 1 in. daisy-like flowers. Very attractive shades. Excellent for rockery or edging.

Tr. pkt. 40c., 1/8 oz. 75c., 1/4 oz. \$1.00, oz. \$3.30

MARIGOLD - See page 16

MIGNONETTE



Sow in January for Spring cutting.

27,000 S—12 in.

Ball Forcing Strain. White.

½ tr. pkt. 60c., tr. pkt. \$1.00, ⅛ oz. \$1.25, ¼ oz. \$2.00

New York Market. White. Produces about 2 weeks later than Ball Strain. Tr. pkt. 50c., ¼ oz. \$1.10, oz. \$3.35.

MIMOSA - Pudica

(Sensitive Plant)—24 in.

Tr. pkt. 30c., ¼ oz. 50c., oz. \$1.50

MORNING GLORY - See Ipomoea

On Flower Seeds **BACK ORDERING** means time lost in starting crops. Rather than keep you waiting for items that are delayed or scarce we will substitute with varieties **EQUAL-
LY GOOD OR BETTER** unless you say
"No Substitute"



Lobelia, See Preceding Page

MYOSOTIS - Forget-me-not



44,000 S

Fleck's Early. This early strain is ideal for sowing as late as January for Spring blooming plants. Free flowering, bright blue flowers. Tr. pkt. 40c., ¼ oz. 90c., ½ oz. \$1.75, oz. \$3.25

PERENNIAL MYOSOTIS—Listed on page 42

NASTURTIUM



DOUBLE GLEAM—18 in.

Richly colored, fragrant flowers freely produced on long, strong stems. Fine for Spring combination work, window boxes and cut flowers.

175 S

Golden Gleam
Orange Gleam
Salmon Gleam
Scarlet Gleam

Glorious Gleam Hybrids,
Choice Mixed. Of full color range.

Price of above: Oz. 25c., ¼ lb. 75c., lb. \$2.50

DOUBLE DWARF TYPE—12 in.

Fully as double and large as the Gleam type. Attractive, dwarf, compact.

175 S

Golden Globe. Golden yellow, sweet-scented.

Mahogany Gem. Deep mahogany.

Scarlet Globe. Sweet-scented fiery scarlet.

Dwarf Double Gem Mixed. Sweet-scented.

Oz. 30c., ¼ lb. 90c., lb. \$2.75

SINGLES—225 S

Fleck's Trailing. Tall, 18 in. (4 ft. trailing). Scarlet.

Price of Singles: Oz. 20c., ¼ lb. 65c., lb. \$2.25

Fleck's Marigolds Your Money Makers

ALL THE BEST DWARF BEDDING VARIETIES 10,000 S



Butterball



Naughty Marietta

DWARF SINGLES—10 in.

Brownie (New). Mahogany red and gold combination makes this very attractive. Grows about 12 in. tall, with blooms 2 in. across.

Tr. pkt. 60c., 1/16 oz. \$1.25, 1/8 oz. \$2.20, 1/4 oz. \$4.00

Dwarf Fire Cross. Very dwarf type of the original Fire Cross.

Flash. Tangerine and Marigold red, early, compact and bushy, very floriferous, excellent for borders, bedding and pot plants. 15 in.

Gnome (Little Giant). Golden orange. 6 in.

Naughty Marietta. Golden yellow with maroon blotch. 12-16 in.

Red Head. Anemone-flowered. Orange crest, tipped maroon and copper red to mahogany guard petals.

Sunny. Similar to Naughty Marietta but all clear yellow.

Dwarf Singles French Mixture of all the Above.

Above each, except Brownie:
Tr. pkt. 25c., 1/4 oz. 50c., oz. \$1.75

DWARF DOUBLES

Tr. pkt. 1/4 oz. Oz. 1/4 lb.

Butterball Extra. New, extra dwarf.
6 in. \$0.50 \$0.95 \$3.00 \$10.00

***Butterball.** Butter yellow. 8 in. . . .30 .55 1.85 6.00

Color Magic. New, fine dwarf.
Golden yellow and deep maroon-red blooms are carried on the same plant. Makes very attractive display.35 1.00 3.00 8.50

Cupid. Primrose yellow; odorless. . . .35 1.50 4.50 . . .

Cupid Orange.40 1.60 4.90 . . .

Cupid Mixed. Orange and yellow shades. . . .35 1.50 4.50 . . .

***Fleck's Extra Dwarf Harmony.** . .30 .55 1.85 6.00

Fleck's Midget Harmony. Anemone type blooms of bright orange and maroon. . . .30 .55 1.85 6.00

Giant Spry (New). Blooms about twice the size of Regular Spry. Plants also bush twice size but only slightly taller than Spry. Flowers profusely. . . . (1/8 oz. \$2.00) .60 3.90 8.90 . . .

***Golden Ball.** Large, compact, double yellow. 12 in. . . .25 .50 1.50 4.80

Golden Harmony. Solid bright golden yellow. . . .25 .50 1.75 . . .

Lemondrop (New). Full, double canary yellow. 9 in. Compact and profuse bloomer. May replace Pigmy. Excellent bedding plant sales as first bloom is fully double. .60 2.00 7.00 . . .

Little Giants. Mixture of African types. . . .35 .65 1.95 6.50

Melody. Brilliant orange. 12 in. . .25 .50 1.75 5.00

Pot O'Gold. Deep golden orange, 100 per cent double. Makes one of the finest pot plants. . . .35 .65 1.95 6.50

***Scarlet Glow.** Bright scarlet red. 12 in. . . .30 .55 1.85 6.00

***Spry.** Yellow crested center with red guard petals. . . .30 .55 1.85 6.00

***Sunkist.** Orange, dwarf and compact, early bloomer. . . .30 .55 1.85 6.00

Tangerine. Bright tangerine orange. Blooms 2 in. across. Plant height 15 in. . . .50 1.50 4.50 . . .

***Yellow Pigmy.** Very dwarf, bright yellow. 6-8 in. . . .30 .55 1.85 6.00

Choice Mixture French Types. . .35 .60 1.85 6.00

SPECIAL MIXTURE of above 7 most popular in this group marked with asterisk. Tr. pkt. 35c., 1/4 oz. 60c., 1/2 oz. \$1.00, oz. \$1.85, 4 ozs. \$5.90.

Fleck's Marigolds Your Money Makers

TALL, CUTTING VARIETIES 8,000 S



Carnation Type

CARNATION TYPES—24 in.

Fleck's Gold Improved. Bright orange, odorless.
Tr. pkt. 35c., ¼ oz. 60c., oz. \$1.90, ¼ lb. \$6.40

	Tr. pkt.	¼ oz.	Oz.	¼ lb.
Buff Beauty. Golden buff, odorless.	\$0.30	\$0.55	\$1.75	\$6.00
Frills. 2 ft. Vivid golden orange. Petals frilled and waved. Odorless.	.30	.55	1.75	6.00
Yellow Supreme. Dazzling lemon, overlaid buff; odorless.....	.30	.55	1.75	6.00
Carnation Mixture. Odorless....	.30	.55	1.65	5.50

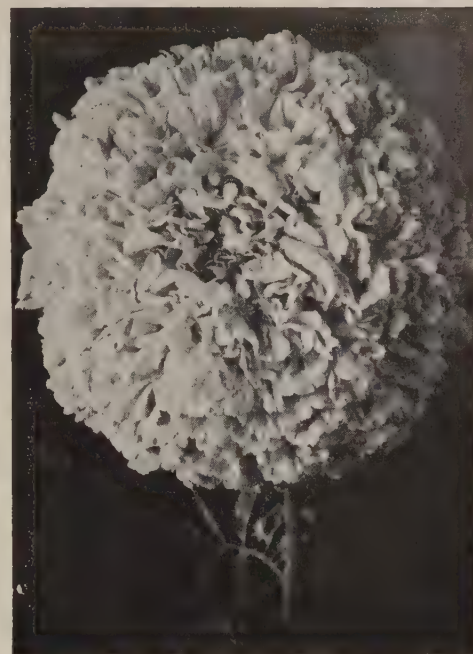
AFRICAN—30 in.

	Tr. pkt.	¼ oz.	Oz.	¼ lb.
All Double Gold.	\$0.30	\$0.55	\$1.75	\$6.00
All Double Lemon......	.30	.55	1.75	6.00
All Double Orange......	.30	.55	1.75	6.00
All Double Mixed......	.30	.55	1.75	6.00
Golden Glow. Golden yellow, odorless.....	.30	.55	1.75	6.00
Golden Trumpet. Pure light golden yellow; crested center. 20 in.	.35	.80	2.40	7.00
Prince of Orange. Improved bright orange and 70 per cent double....	.30	.55	1.75	6.00
Fleck's Special Florist Mixture...	.30	.55	1.75	6.00

ODORLESS VARIETIES

Fleck's Gold Improved	Yellow Supreme
Frills	Golden Glow
Buff Beauty	Cupid
	Golden Trumpet

These will be found in their respective classes on this and preceding page.



Fleck's Giant Orange (Mum Flowered)

MISSION GIANTS

Chrysanthemum Flowered

Ball shaped blooms; 3 to 5 inches across. Plants are vigorous growers, base branching, producing 8 to 12 stems of good cutting length.

	Tr. pkt.	¼ oz.	Oz.	¼ lb.
Early Sunrise. Dazzling golden yellow.....	\$0.30	\$0.55	\$1.75	\$6.00
Fleck's Giant Orange. Full double. Uniform. Large-flowered, deep bright orange.....	.30	.55	1.75	6.00
Glitters. Soft golden yellow. Blooms incurved. Bushy, erect plants.	.35	....	2.50	7.00
Goldsmith. Bright golden orange. 18-20 in.....	.35	.75	2.50	8.50
Mammoth Mum. Light sulphur yellow; fluffy, ball-like blooms. Early. 30 in.....	.40	.90	3.00	8.90
Yellowstone. Clear, rich yellow. 18 in.....	.35	.75	2.50	8.50
Mission Giants Mixture. All the shades from light yellow to deep orange.....	.30	.55	1.75	6.00

GREENHOUSE FORCING VARIETIES

	Tr. pkt.	¼ oz.	Oz.	¼ lb.
For Winter flowering cut.				
Fleck's Gold Improved. Bright orange, odorless foliage.....	\$0.35	\$0.60	\$1.90	\$6.40
Golden Trumpet. New, pure light golden yellow, crested center. 20 in.	.35	.80	2.40	7.00
Yellow Supreme. Dazzling lemon, overlaid buff; fragrant.....	.30	.55	1.75	6.00

NEMESIA

COMPACTA GRANDIFLORA

Compact and Dwarf Varieties—6 to 8 in.—90,000 S

Branches freely from base, making attractive, rounded specimens. Ideal for pots and short combination make-ups.

Blue Gem. Bright blue, compact.

Fire King. Brilliant red.

White Queen.

Mixture of Above.

Triumph Choice Mixed. Attractive range of colors; very dwarf.

STRUMOSA SUTTONI GRANDIFLORA

Tall Varieties—14 to 16 in.

Large-flowered, long-stemmed. Fine for cut, small baskets, etc.

Orange. Rich orange.

Scarlet

Prices on all above Nemesis:

Tr. pkt. 35c., $\frac{1}{8}$ oz. 70c., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{2}$ oz. \$2.00

NICOTIANA - Flowering Tobacco



Nicotiana, Crimson Bedder

Sweet-scented—24 in.—200,000 S

Tr. pkt. $\frac{1}{4}$ oz. Oz.

Affinis. Pure white.....\$0.20 \$0.35 \$0.75

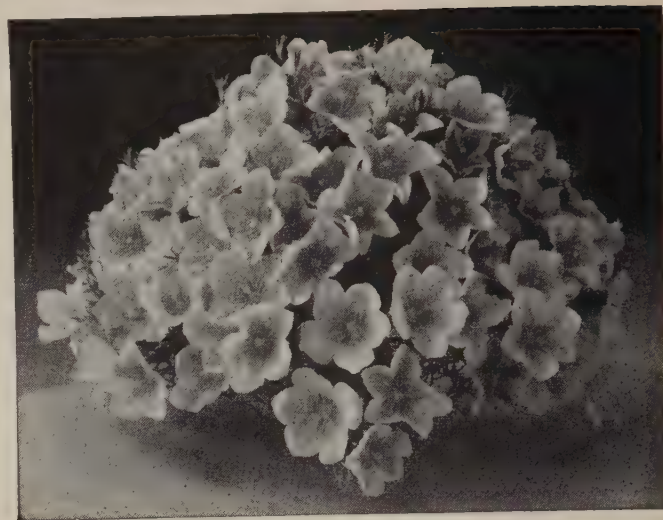
Affinis, Crimson Bedder. Rich, deep carmine..... .30 .60 2.00

Suaveolens (Orange Blossom). 18 in. Small flowered white. Dwarf, compact.....
1/16 oz. 80c., $\frac{1}{8}$ oz. \$1.50, .25

Affinis, Daylight Sensation Mixture. Brilliant color range never seen before in Nicotiana. Blooms remain open during daytime—another new feature..... .40 .95 3.15

NIEREMBERGIA -

Dwarf Cup Flower



Nierembergia

8 in.—5500 S per $\frac{1}{32}$ oz.

Purple Robe. Rich, deep violet purple. Does not fade. Same growing habits as the Hippomanica variety.

Tr. pkt. 50c., $\frac{1}{32}$ oz. \$1.75, $\frac{1}{16}$ oz. \$3.25

NIGELLA



Nigella, Miss Jekyll

18 in.—11,000 S

Miss Jekyll (Love-in-a-Mist). Light blue.

Tr. pkt. 30c., $\frac{1}{4}$ oz. 45c., oz. \$1.00

GREENHOUSE PANSIES

FLECK'S WINTER FLOWERING GIANTS

Tall growing greenhouse strain is especially produced for florists, for Winter and early Spring cut flowers. Good range of colors. Sweet-scented, long-stemmed, about 10 in. Blooms about 2 to 3 in. across. Does well from a July or August sowing.

$\frac{1}{2}$ tr. pkt. 65c., tr. pkt. \$1.10, $\frac{1}{16}$ oz. \$1.50,

$\frac{1}{8}$ oz. \$2.75, $\frac{1}{4}$ oz. \$4.90

Fleck's Fine Pansy Seeds 25,000 S

ALL THE BETTER STRAINS

We offer seeds produced by specialists. No finer strains or selection offered anywhere. Pansies as well as Violas can be started in January, for sale in pans or out of flats during late Spring in bloom.

Write for prices on pound lots



Pansies

SEPARATE COLORS

Pay Dirt. Largest golden yellow. Blooms have dark rays or tiny dark faces. Excellent growth habit and resistant to Summer heat. Tr. pkt. \$1.50, 1/16 oz. \$2.50, 1/8 oz. \$4.50, 1/4 oz. \$8.50, oz. \$29.50.

Alpenglow. Rich garnet and ruby shades with dark blotches.

Azure Blue. Light blue.

Berna. Dark, velvety violet blue.

Coronation Gold. Large, golden yellow without blotches or markings.

Firebeacon. Brick red.

Fireglow. Glowing bronze apricot.

Orange Giant. Orange yellow, or light orange.

Raspberry Rose. Carmine blotch on soft pink ground. Distinctive.

Rheingold. Deep golden yellow with large black blotches on lower petals.

Ullswater (Lake of Thun). Marine blue with darker blue blotches showing through.

White (Mont Blanc). Large pure white, free flowering.

Tr. pkt. 75c., 1/16 oz. \$1.10, 1/8 oz. \$1.75, 1/4 oz. \$3.00, oz. \$9.85, 4 ozs. \$30.00

← GREENHOUSE PANSIES

Fleck's New Extra Early Strain. Only a limited supply available of the fine, new strain of extra early blooms, of good quality and texture. However, the color range has not yet been fully expanded. Medium size blooms.

Tr. pkt. \$1.00, 1/8 oz. \$2.30, 1/4 oz. \$4.50, oz. \$16.00

Fleck's Giant Mixture of Dwarf Strains. Swiss types very dwarf, compact; extra early flowering. Complete range of colors, running to brighter sorts.

Tr. pkt. 65c., 1/8 oz. \$1.45, 1/4 oz. \$2.75, oz. \$9.00, 1/4 lb. \$31.50

Fleck's Jumbo Mixed (Mastodon Strain). An early, large-flowered mixture, producing long-stemmed flowers. Grown from originator's stock specially for us. Wide range of colors.

Tr. pkt. 75c., 1/8 oz. \$1.80, 1/4 oz. \$3.40, oz. \$12.00, 1/4 lb. \$36.00

Fleck's Mammoth Exhibition. Choice mixture of large-flowered Swiss Strains.

Tr. pkt. 70c., 1/8 oz. \$1.60, 1/4 oz. \$2.80, oz. \$10.00

Fleck's Rainbow Mixture. Brilliant, large-flowered varieties compounded for the large grower.

Tr. pkt. 60c., 1/8 oz. \$1.30, 1/4 oz. \$2.50, oz. \$9.00, 1/4 lb. \$29.00

America Mixture. Extremely bright, early flowering and dwarf. Good variety of colors.

Tr. pkt. 65c., 1/8 oz. \$1.50, 1/4 oz. \$2.75, oz. \$10.00

Engelmann's Giant Mixed. Early, compact, robust grower; flowers average nearly 4 in. across on heavy stems. Both light and dark shades, good percentage of bronze and reds.

Tr. pkt. \$1.00, 1/8 oz. \$2.10, 1/4 oz. \$4.00, oz. \$13.50

Felix. Wide color range. Vivid colors with contrasting veined throat.

Tr. pkt. \$1.00, 1/8 oz. \$3.00, 1/4 oz. \$5.40, oz. \$15.00

Macdonald's Scottish Exhibition Strain. 4 in. flower, new and varied color combinations, running to intense, heavily blotched flowers.

Tr. pkt. 80c., 1/8 oz. \$2.20, 1/4 oz. \$4.00, oz. \$14.00

Maple Leaf Giants Super Mixture. Large-flowered, good bloomer. Compact, luxurious, dark green foliage and large leaves.

Tr. pkt. 65c., 1/8 oz. \$1.65, 1/4 oz. \$3.00, oz. \$10.00

Masterpiece. Ruffled and frilled giant blooms. Nice range of colors.

Tr. pkt. 70c., 1/8 oz. \$1.50, 1/4 oz. \$2.80, oz. \$10.50

Swiss Giants, Choice Mixed. From stock seed of European and domestic strains with straight colors of Roggli type added, makes this a really high grade mixture. Flowers average 3 to 4 in.

Tr. pkt. 65c., 1/8 oz. \$1.25, 1/4 oz. \$2.25, oz. \$8.00

Super Swiss Giants Mixed, Improved. An improvement on the original strain. Enormous flowers, fine color range, well marked, many ruffled and curled. Long stems. Sturdy grower.

Tr. pkt. 80c., 1/8 oz. \$1.45, 1/4 oz. \$2.75, oz. \$9.00

Fleck's Petunias All Doubles

About 4000 seeds to 1/64 oz.

CANADIAN DOUBLES

IMPROVED MIXTURES

100% double, dwarf, improved mixture. Colors range from Pink and Salmon to White, Lavender to Purple.

1/2 tr. pkt. \$2.00, tr. pkt. \$3.50, 1/128 oz. \$6.65, 1/64 oz. \$12.60,
1/32 oz. \$24.00

COLOSSAL



Shades of Pink and Salmon Rose, Improved.

1/2 tr. pkt. \$1.75, tr. pkt. \$3.00, 1/128 oz. \$6.50,
1/64 oz. \$11.75, 1/32 oz. \$22.00

FLECK'S SPECIAL ALL DOUBLES MIXTURE

Our own blend of all Doubles—America, Canadian, Pan American, Sakata's and Colossal, with special emphasis on popular fast selling colors.

1/2 tr. pkt. \$2.50, tr. pkt. \$4.00, 1/128 oz. \$7.50,
1/64 oz. \$14.45, 1/32 oz. \$27.50

SEPARATE COLORS

Canadian Queen. Fine, true pink double, somewhat lighter than Rose of Canada. The large, well ruffled flowers are carried nicely above the compact, bushy plants.

1/2 tr. pkt. \$2.75, tr. pkt. \$4.50, 1/128 oz. \$8.50,
1/64 oz. \$16.00

Northern Lights. Most plants are a deep rose—deeper than Rose of Canada—with some medium pink shades present.

Black Prince. Bright Burgundy wine color. Flowers medium size, but freely produced. A valuable bedding Petunia and unusually attractive when combined with white or pale yellow in bedding arrangements.

Rose of Canada. Fully double, bright medium rose flowers about 3 in. across are freely produced on compact, bushy plants.

Prices above 3, each: 1/2 tr. pkt. \$2.00, tr. pkt. \$3.50,
1/128 oz. \$6.65, 1/64 oz. \$12.60, 1/32 oz. \$24.00

Burpee Orchid. Orchid lavender. Makes a nice pot plant.

1/2 tr. pkt. \$2.75, tr. pkt. \$4.50, 1/128 oz. \$8.50,
1/64 oz. \$16.00

AMERICA, ALL-DOUBLE



Compact and uniform, 1 foot high, 1 1/2 feet across. Rose pink to deep rose flowers, 2 inches across, 100% double. Excellent for beds, borders, edgings as well as pot plants. Stems sometimes 10 inches long which can be cut for low vase or table work.

1/2 tr. pkt. \$1.35, tr. pkt. \$2.50, 1/128 oz. \$4.50,
1/64 oz. \$8.00, 1/32 oz. \$14.45

Fleck's Petunias All Doubles

About 4000 seeds to 1/64 ounce

PAN-AMERICAN DOUBLES



Petunia, Allegro

Allegro. Large, fully double flowers of clear, bright salmon are carried on fairly dwarf plants. A new and attractive color in the All-Double class.

Caprice. Large, deep rose flowers are freely produced on bushy, compact plants of uniform habit.

Rhapsody. Deep wine purple. Does not fade. Compact, dwarf.

Sonata. Extra large, pure white flowers. Not as compact in growth as above two, and should be pinched to induce branching.

Minuet. Lavender; should be pinched to encourage branching.

Nocturne. Deep Elk's Pride purple. The medium large flowers are borne on vigorous plants.

Each, above: 1/2 tr. pkt. \$2.75, tr. pkt. \$4.50, 1/128 oz. \$8.50, 1/64 oz. \$16.00



Pan-American Doubles in Combination

Glorious Mixture. Contains both tall and dwarf types in all the above colors. In transplanting, be sure to use both large and small seedlings, thus insuring a complete range of colors.

1/2 tr. pkt. \$2.75, tr. pkt. \$4.00, 1/128 oz. \$7.60,
1/64 oz. \$14.45, 1/32 oz. \$28.00

"CULTURAL HINTS" FOR DOUBLES

Sowing Dates—For pots, November for 5's, and December for 4's for late April and May; for combinations, December and January for 2 1/2's and 3's for April and May; for bedding, December and January for April and May sales.

Germination—Sterilized peats and leafmolds (if not strongly acid) are good mediums; so are various sterilized mixtures of soil with peat or other organic matter. Don't cover the seed except for perhaps a sheet of paper to keep from drying out. The surface of the flat must be moist till the roots have dug down into the soil. Keep them at 60-65 degs. nights till germination takes place, then 48-50 degs. and dry, but not wilting.

SAKATA'S DOUBLES



Petunia, All-Double Victorious

Attraction. Rich carmine rose and white.

Blue Brocade.

Bright Orange.

Gaiety. Rose-red centers with white borders.

Illumination. New bright red with scarlet sheen.

Loveliness. La France pink.

Mayflower. Rose with deeper veining.

Orchid Beauty. Orchid; heavily veined deep violet.

Purple and White. Variegated striped purple and white; very dwarf.

Rosy Carmine.

White. Pure white.

Victorious All-Double Mixed. Mixture of all above.

1/2 tr. pkt. \$2.40, tr. pkt. \$4.40, 1/128 oz. \$6.95,
1/64 oz. \$12.50, 1/32 oz. \$22.90

Fleck's Petunias Dwarf, Fringed and Ruffled



La Paloma

Ballerina. Extra large, frilled blooms. Clear, intense salmon. Vigorous and free branching.

Bolero. Gorgeous carmine-rose pink. Flowers giant ruffled and fringed, 3½ to 4 in. across. Plants are uniform, dwarf and compact. Outstanding either as a pot plant or in the garden where it blooms profusely all Summer. More vigorous and larger-flowered than setting sun and the other Dwarf Erfurts.

La Paloma. Pure white with yellow throat. Large, well fringed flowers, 100% Grandiflora. More uniform and vigorous than its predecessor, Snowwhite. Sown in December, La Paloma makes a gorgeously beautiful Easter pot plant.

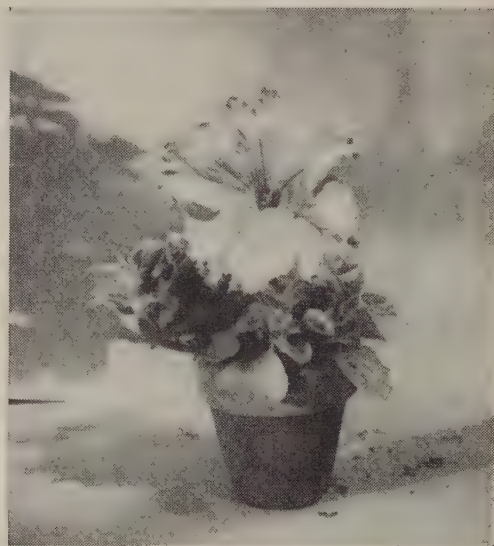
Tango. Bright, deep scarlet salmon. The brightest color in Petunias. Actually deeper in color than Carmencita, also larger flowered and although not quite so dwarf, makes a blazing mass of color in the garden; still dwarf enough for pot plants. A truly sensational Petunia wherever grown.

Prices of the above Petunias

½ tr. pkt. \$1.35, tr. pkt. \$2.50, 1/128 oz. \$4.50, 1/64 oz. \$8.00



Petunia, Bolero



Petunia, Carmencita

Carmencita. Dwarf Erfurt type. Deep, bright scarlet salmon. A striking color. Surpasses in brilliance anything yet seen with the possible exception of Tango. Restricted well branched growth makes Carmencita perfect for pot plants. Very popular.

Colorado Sunset. Extra dwarf light rose pink. Uniform and free flowering.

Rosita. Creamy rose with netted throat. Large, heavily ruffled and fringed flowers on compact, well branched plants. Vigorous and free branching, yet dwarf and uniform. An outstanding Petunia either in pots or in the garden.

Prices of the above Petunias

½ tr. pkt. 85c., tr. pkt. \$1.50, 1/64 oz. \$3.40, 1/32 oz. \$6.00

RUFFLED MINIATURES



Petunia, Martha Washington

Little Giants Mixed. Very compact plants, completely covered for long season with small, ruffled blooms in all shades. 10 in. Fine for bedding and combination work. Tr. pkt. 75c., 1/64 oz. \$1.50, 1/32 oz. \$2.75, 1/16 oz. \$5.00

Martha Washington. Blush pink with throat veined wine red. Extra large flowers.

Tr. pkt. 75c., 1/32 oz. \$1.50, 1/16 oz. \$2.75

Pink Frills. Reselected from the Little Giants mixture. Profuse bloomer. Brilliant pink shades of frilled flowers. Early and compact plants.

Tr. pkt. \$1.00, 1/64 oz. \$1.75, 1/32 oz. \$3.00, 1/16 oz. \$5.50

Fleck's Petunias, Dwarf Giants and Ruffled

DWARF CALIFORNIA GIANTS



Petunia, Fleck's Extra Dwarf Giants

DWARF GIANTS No. 1

Fleck's Extra Dwarf Giants. 4 to 6 in. This fine strain was developed and improved on the Ramona strain. It stays dwarf. Bright color range. Exceptionally fine for pot plant sales. Sells on sight.

1/2 tr. pkt.....	\$1.00	1/32 oz.....	\$4.95
Tr. pkt.....	1.75	1/16 oz.....	9.45
1/64 oz.....	2.75		

DWARF GIANTS No. 2

Ramona Strain, Reselected. Dwarf, compact, ruffled and fringed flowers. Special color blend.

1/2 tr. pkt.....	\$0.70	1/32 oz.....	\$3.20
Tr. pkt.....	1.25	1/16 oz.....	5.70
1/64 oz.....	2.00		

White Giant. Pure white, yellow throat.

Tr. pkt. 75c., 1/64 oz. \$1.35, 1/32 oz. \$2.50

RUFFLED GIANTS

ROBIN. Bright rose with white throat—striking. Most useful because of dwarf, compact habit.

1/2 tr. pkt. 85c., tr. pkt. \$1.50, 1/64 oz. \$3.50, 1/32 oz. \$6.00

Tr.	1/64	1/32	1/16
pkt.	oz.	oz.	oz.

Glamour. Beautiful, rich salmon rose shading lighter toward throat. \$0.75 \$2.00 \$3.75 \$6.75

Fleck's Special Florist Mixture of Choice Salmon Rose Shades.

Exceptionally large blooms averaging 5 to 6 in. with shallow open throat, free flowering, sturdy plants.

Beautiful veined markings..... .90 1.90 3.25 5.90

Ruffled Monsters Exquisite Mixed.

Dwarf light and dark shades..... .75 1.75 3.00 5.50

Ruffled Giants Mixed. Our own

hand blended mixture of all ruffled and fringed varieties including some

of the newer ones..... .75 1.75 3.00 5.50



Fleck's Petunias, Fringed and Ruffled

LARGE—Single Fringed

	Tr.	1/64	1/32	1/16
	pkt.	oz.	oz.	oz.
Fringed Snowstorm. Pure white, with slight touch of gold in throat. Free bloomer.....	\$1.00	\$2.35	\$3.75	\$6.75
Lace Veil. Pure white, large flowers with fringed petals, many waved, compact.....	.75	1.75	3.00	5.50
Pink Triumph. Clear rose pink, golden throated.....	.60	1.50	2.75	4.95
Setting Sun. Brilliant deep rose, darker throats, compact.....	.85	2.00	3.40	6.50
Theodosia. Brilliant rose pink, full open throats; improved.....	.60	1.50	2.75	4.95
Fleck's Fringed Ruffled Mixed. Carefully blended, above varieties.	.60	1.50	3.00	4.75



LARGE—Singles Plain Edged

Some of these are somewhat ruffled.



Dazzler. New. Unusual brilliant dazzling scarlet. Dwarf.
Elk's Pride Improved. Violet.
Purple Prince.
Snowstorm Improved. Dwarf habit, mammoth flowers, pure white.
White Cloud. Pure white, compact.
Mixed. Exquisite blend.

Above, each: Tr. pkt. 60c., 1/64 oz. \$1.60, 1/32 oz. \$2.95, 1/16 oz. \$4.95, 1/8 oz. \$8.95



POPCORN. Large-flowered white Petunia which remains really dwarf and compact. Popcorn has all the fine qualities of Snowstorm, but stays dwarf.

1/2 tr. pkt. \$1.00, tr. pkt. \$1.75, 1/64 oz. \$3.30, 1/32 oz. \$6.00, 1/16 oz. \$11.00

Fleck's Petunias, Dwarf Single Hybrids



Linda

CAROUSEL. A lovely bright purple and white variegated Grandiflora Petunia.

½ tr. pkt. \$1.00, tr. pkt. \$1.75, 1/64 oz. \$3.30,
1/32 oz. \$6.00, 1/16 oz. \$11.00

COMANCHE. New; wonderful dwarf; compact grower. 15 in. Scarlet red, deepest red Petunia. Base branching, spreads to 18 in. Free blooming, 2½ to 2¾ in. across.

½ tr. pkt. \$1.25, tr. pkt. \$1.90, 1/128 oz. \$3.75,
1/64 oz. \$7.00, 1/32 oz. \$12.50

ELK'S STAR. New, 1951. Deep velvety crimson with white star. Uniform. Very attractive. A big improvement over Howard's Star.

Tr. pkt. 50c., 1/16 oz. \$1.25, ⅛ oz. \$2.25, ¼ oz. \$4.00

FIRE CHIEF. Scarlet to salmon rose.

Tr. pkt. 50c., 1/16 oz. \$1.25, ⅛ oz. \$2.85, ¼ oz. \$5.00

LINDA. An F₁ Hybrid. Somewhat more dwarf and a shade lighter than the well-known F₁ Hybrid bedding Petunia, Silver Medal, and a definite improvement over that variety.

½ tr. pkt. \$1.00, tr. pkt. \$1.75, 1/128 oz. \$3.50,
1/64 oz. \$6.50, 1/32 oz. \$11.50

LIPSTICK. A shade between Glow and Topaz Queen.

Tr. pkt. 50c., 1/16 oz. \$1.65, ⅛ oz. \$2.90, ¼ oz. \$5.00

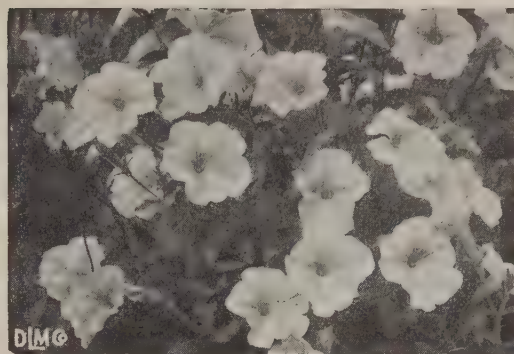
PINK SENSATION. New. Clear pink. Flower size in the medium class. Uniform, free flowering and vigorous.

½ tr. pkt. \$1.00, tr. pkt. \$1.75, 1/128 oz. \$3.50,
1/64 oz. \$6.50, 1/32 oz. \$11.50.

ROSE CHARM. New hybrid bedding variety. Bright rose pink. Blooms earlier than Celestial Rose and more profusely. A most desirable pot plant.

½ tr. pkt. \$1.00, tr. pkt. \$1.75, 1/128 oz. \$3.50,
1/64 oz. \$6.50, 1/32 oz. \$11.70

SILVER MEDAL. See Linda, above.



Celestial Rose

Tr. pkt. ⅛ oz. ¼ oz. Oz.

Alderman. Clear deep violet blue. . \$0.40 \$0.75 \$1.35 \$4.25

Bright Eyes. Brilliant rose pink with white vein. Make compact spreading plants literally covered with miniature Rosy Morn blooms.50 1.25 2.25 6.50

Celestial Rose, Reselected. Improved, deep rose, larger flowers. Very compact.60 1.15 2.00 6.50

Cheerful. Clear salmon pink with a veining of deeper rose toward the throat.1/16 oz. \$2.00, .75 3.50 6.00

Cream Star. Star shaped, white. . . .50 1.25 2.25 7.50

First Lady. Light pink, silver sheen. 1/16 oz. \$1.40, .60 2.50 4.25 16.00

Glow. Brilliant carmine scarlet, excellent for mass plantings or borders.1/16 oz. \$1.25 .50 2.00 3.75 13.50

Heavenly Blue (Silver Blue). A fine, reselected rich light blue.50 1.00 1.75 6.00

Peach Red. Rich salmon rose.50 1.80 3.25 11.00

Rose of Heaven, Improved. Beautiful rose pink.40 .70 1.15 3.50

Rosy Morn Improved. Bright rose, large flowers with white throat. . . .50 .90 1.60 5.50

Snowball Improved. Dwarf white. 1/16 oz. \$2.75, .75 5.00 9.00

Snow Queen. Pure white, free flowering; compact, spreading habit. . .50 1.00 1.75 6.00

Special Florists Mixture. Our own blend of above varieties.60 1.50 2.80 8.50

Fleck's Petunias Dwarf Singles and Balcony

220,000 Seeds per Ounce

COMPACT MINIATURES 8 in.



EXTRA DWARF SINGLE HYBRIDS

Fine for pot sales and bedding.

Admiral. Rich violet blue, wavy and ruffled. One of the finest Petunias.

Tr. pkt. 75c., 1/64 oz. \$1.65, 1/32 oz. \$2.90, 1/16 oz. \$5.25, 1/8 oz. \$9.50

Igloo. Makes a perfectly rounded mound of medium size, pure white flowers; good for borders and pots.

Tr. pkt. 60c., 1/8 oz. \$1.15, 1/4 oz. \$2.00, oz. \$6.50

King Henry. Rich velvety red, extra dwarf, large flowered.

Tr. pkt. 75c., 1/32 oz. \$1.50, 1/16 oz. \$2.75, 1/8 oz. \$5.25, 1/4 oz. \$10.00

Norma. Blue, white star, very compact.

Tr. pkt. 40c., 1/8 oz. \$1.40, 1/4 oz. \$2.50

Salmon Supreme. A distinct, clear salmon pink; attractive.

Tr. pkt. 50c., 1/32 oz. \$1.50, 1/16 oz. \$2.75

Twinkles. Rose, white star.

Tr. pkt. 50c., 1/8 oz. \$1.00; 1/4 oz. \$1.75, oz. \$6.00

Velvet Ball. Dwarf flowering velvet.

Tr. pkt. 75c., 1/32 oz. \$1.50, 1/16 oz. \$2.75, 1/8 oz. \$5.25, 1/4 oz. \$10.00

Miniatures Mixed. Our own mixture of above varieties.

Tr. pkt. 75c., 1/64 oz. \$1.20, 1/32 oz. \$2.00, 1/16 oz. \$3.40, 1/8 oz. \$5.80, 1/4 oz. \$9.50, oz. \$29.00



Petunia, Bright Eyes

STAR FLOWERED MIXTURE



Specially compounded for the florist desiring all the star varieties. Our mixture includes the new Elk's Star.

Tr. pkt. 40c., 1/8 oz. 90c., 1/4 oz. \$1.50, oz. \$5.00

HYBRIDA PENDULA (Balcony)

Crimson

Deep Blue

White Mixture

Price of Balcony Petunias:

Tr. pkt. 40c., 1/8 oz. 75c., 1/4 oz. \$1.45, oz. \$4.65

HYBRIDA ERECTA 18 in.

TALL SINGLES



Flaming Velvet

Tr. pkt. 1/8 oz. 1/4 oz. Oz.

Flaming Velvet. Reselected crimson.

Similar to King Henry but more spreading habit; fine for bedding.

Sometimes called Velvet Ball.....\$0.60 \$1.00 \$1.90 \$5.50

Howard's Star Improved. Dark vel-

vety purple, white star..... .75 ... 1.50 5.50

Mars. Deepest crimson in this class. .60 ... 1.50 5.25

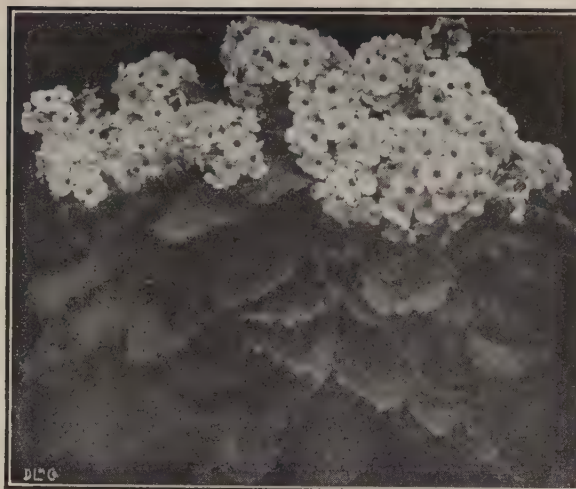
Radiance. Cerise rose with underlying salmon. Throat is golden yellow

where bloom starts to flare..... .60 1.00 1.90 5.50

Choice Florists' Mixture..... .50 .90 1.50 4.75



Phlox, Fleck's Dwarf



Primula Obconica



Primula Malacoides

PHLOX - Drummondii

15,000 S

FLECK'S SPECIAL STRAIN

NEW IMPROVED DWARF PHLOX

Perfected over the past six years by experts, exclusively for us. This mixture contains a riot of fast selling colors, including beautiful pastel shades and starred varieties. It is dwarf—6 to 8 inches. Bushy, compact. Does not go over 8 inches outside all season.

Report from trials at Penna. State College states: "Very dwarf and compact plants." "Color range is excellent and very bright." "We rated it a very excellent sample."

Florists tell us it is better than "Globe." Plants sell on sight. Supply limited—order now.

Tr. pkt. 60c., $\frac{1}{4}$ oz. \$2.45, $\frac{1}{2}$ oz. \$4.60, oz. \$9.00,
4 ozs. \$27.00

NANA COMPACTA—6 to 8 in.

Dwarf, compact habit; excellent for low bedding and border work:

Apricot	Sky Blue. With eye
Fireball. Fiery red	Snowball. Pure white
Rose. With purple center	Violet. With white eye
Cecily Mixed. Immense flowers, nearly all having white eye.	
Fleck's Dwarf Mixed.	

Tr. pkt. 40c., $\frac{1}{4}$ oz. \$1.00, $\frac{1}{2}$ oz. \$1.70, oz. \$3.00

GLOBE PHLOX

Makes globe shape plants. Nice color range.

Tr. pkt. \$1.00, $\frac{1}{8}$ oz. \$2.00, $\frac{1}{4}$ oz. \$3.60, oz. \$9.00

CUSPIDATA, STARRED AND FRINGED

Make very attractive little plants in an almost endless combination of colors. A favorite with the ladies.

Superb Mixture. Novel star-like flowers.

Tr. pkt. 25c., $\frac{1}{4}$ oz. 60c., $\frac{1}{2}$ oz. \$1.00, oz. \$1.80

PRIMULAS

Finest European and American Strains

We offer the newer and much improved introductions of specialists in Primulas. Seeds sown in June will make good plants for Christmas and January. September sowing for Spring sales. Sow in sterilized soil with low nitrate content. No feeding until well established.

OBCONICA, GIANTS

4000 S per $\frac{1}{32}$ oz.

Avalanche. White	Mueller. Crimson
Berlin Rose	Salmon Rose
Coerulea. Blue	Violacea. Deep violet
Fasbender. Red	Fleck's Mixture

Prices of any of the above Primula Obconicas:

Tr. pkt. \$1.25, $\frac{1}{64}$ oz. \$2.75, $\frac{1}{32}$ oz. \$5.00

ERIKSSON'S PRIMULA MALACOIDES

Brilliancy Improved. Flowers open lavender, then turn to dark velvety red.

Glory of Riverside Improved. True rose-pink, a strong grower, and without a doubt the most valuable variety for all purposes.

Mrs. Eriksson of Riverside. A glowing rose-red, a very strong grower with heavy flower stems and stiff foliage; large flowers in heavy clusters of medium height.

White Giant. An exceptionally strong grower and well adapted for combinations.

Mixture.

Each, above: Pkt. \$1.25, $\frac{1}{64}$ oz. \$2.75, $\frac{1}{32}$ oz. \$5.25

PERENNIAL PRIMULA—Listed on page 42.



Salpiglossis



Rudbeckia, Starlight



Salvia, Splendens

PEPPERS - See Solanum

PINKS -

See Dianthus in Perennial Section

POPPIES

70,000 S—24 in.

All Doubles. Mixed beautiful shades.

Tr. pkt. 25c., ¼ oz. 75c., oz. \$3.00

Shirley

For ICELAND and NUDICAULE POPPIES, see
PERENNIALS, page 42

PORTULACA

Easy to grow outdoors. Brilliant, vivid colors. Commences
to bloom in about 35 days.

280,000 S

Fleck's Single Mixed.

Tr. pkt. 25c., ¼ oz. 70c., oz. \$2.35

Fleck's Double Mixed.

Tr. pkt. 30c., ¼ oz. \$1.25, oz. \$3.75

PYRETHRUM—See Perennial Section.

QUEEN ANNE'S LACE FLOWER

Daucus

36,000 S

Tr. pkt. ¼ oz.

White. Good filler for basket work, large heads of
white flowers similar to the Blue Lace Flower
(Didiscus).....Oz. \$1.00, \$0.20 \$0.35

RUDBECKIA - Cone Flower

85,000 S

Free flowering, excellent outdoor cut flower.

Starlight. Fine for cutting, double and semi-double, free
flowering color range from primrose to mahogany, some
bicolors with mahogany centers. 3 ft.

Tr. pkt. 35c., ¼ oz. \$1.00, oz. \$3.25

SALPIGLOSSIS - Painted Tongue

127,000 S

EMPEROR—Large Flowered. 3 ft.

Fine for cutting from a February sowing or later outdoors.

Emperor Mixed. Tr. pkt. 20c., ¼ oz. 30c., oz. 90c.

SALVIA

SPLENDENS (Scarlet Sage)—12,000 S

Finest Strains

All bloom till frost. Some start earlier than others. We
list them in this order.

St. John's Fire. Earliest. Uniform, compact, dense scarlet
spikes stand rigid and upright. 10 in.

Tr. pkt. 95c., ⅛ oz. \$1.60, ¼ oz. \$2.70, oz. \$9.50

Blaze of Fire. Early flowering orange scarlet. Bushy plants.
12-14 in.

Tr. pkt. 85c., ⅛ oz. \$1.25, ¼ oz. \$2.25, oz. \$7.00

America (Globe of Fire). Compact, dwarf and bushy, 18 in.
plants. Brilliant scarlet, medium early.

Tr. pkt. 65c., ⅛ oz. \$1.00, ¼ oz. \$1.90, oz. \$5.80,
4 ozs. \$20.00

Firebrand. Medium early. 18 in.

Tr. pkt. 85c., ⅛ oz. \$1.25, ¼ oz. \$2.25, oz. \$7.25

Splendens, Tall Firecracker. 30 to 36 in. (Late.)

Tr. pkt. 45c., ⅛ oz. 80c., ¼ oz. \$1.40, oz. \$4.50

BLUE VARIETIES—2400 S

While classed as perennials, will flower very well the first
season from seed sown in early Spring.

Tr. pkt. ¼ oz. Oz.

Farinacea. Rich bright blue; compact.

Very effective in mass planting. Long,
graceful stems. Also useful for cutting.

30 in. \$0.40 \$1.25 \$4.00

Royal Blue. Deep royal purple. Improved

strain..... .50 1.45 5.00

PERENNIAL SALVIA—Page 43.



Saponaria



Scabiosa



Schizanthus

SANVITALIA - Creeping Zinnia

50,000 S—4 to 5 in.

Procumbens. Bright yellow, double flowers makes a fine dwarf edging plant. Tr. pkt. 30c., $\frac{1}{4}$ oz. 60c., oz. \$2.00.

SAPONARIA - Vaccaria

Annual—2 ft.—5500 S

Flowers resemble Gypsophila. Excellent for cutting.

Rose

White

Oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.25

PERENNIAL SAPONARIA—Page 43.

SCABIOSA Grandiflora, Double (Pin Cushion Flower)

30 in.—4500 S

These are one of the real profit makers for the retail florist. Spring cut when grown in a cool house or sow outside for Summer cutting. Long stemmed. Wonderful color range.

Giant Hybrids Mixed. Contains all the new, large-flowered varieties. Tr. pkt. 25c., $\frac{1}{4}$ oz. 40c., oz. \$1.10.

Blue Cockade. Deep azure flowers, conical in shape, good cut.

Blue Moon. Lavender blue, large, double flowers; long, wiry stems.

Fire King. Bright scarlet.

King of the Blacks. Red maroon.

Loveliness. Deep salmon pink, extra large flowers.

Rose.

Salmon Beauty. Pure salmon, giant flowers.

Shasta Improved. Pure white, large flowers.

Choice Mixed of Above.

Above, each: Tr. pkt. 20c., $\frac{1}{4}$ oz. 30c., oz. 90c.

PERENNIAL SCABIOSA—See Page 43

SENSITIVE PLANT—See MIMOSA.

SHAMROCK

38,000 S

St. Patricks. Sow January 1 for 2 in. pot plants by March 17. Prefers cool growing. Use 4 seedlings to a pot. Tr. pkt. 20c., $\frac{1}{4}$ oz. 35c., oz. \$1.20, $\frac{1}{4}$ lb. \$3.50.

SHASTA DAISY - See Chrysanthemum
See Page 43

SNAPDRAGON - See Antirrhinum

SCHIZANTHUS - Butterfly Flower

60,000 S

GREENHOUSE STRAINS—For Pots and Cutting

Late Summer sowing for planting after early "Mums" will flower about March. If additional light is used from late October, blooming will commence in January. A January sowing will produce nice 3-inch pot plants for Spring combinations.

Tr. pkt. $\frac{1}{8}$ oz. $\frac{1}{4}$ oz.

Fleck's Mammoth Flowered Exquisite

Mixed. Select greenhouse strain; extra large flowers; best color range. 18 in. . . . \$0.85 \$2.25 \$4.00

Fleck's Dwarf Mixture. Compact dwarf

strain. Medium size flowers. Does best in 3 or 4 in. pot. Excellent for small pot sales.

14-16 in.55 1.65 2.75

Blotched Strain. Giant bright rose and

pink shades with contrasting dark centers. A little earlier than most strains. Good

pot plant if well pinched.55 1.35 2.50

SOLANUM - Jerusalem Cherry

15 in.—8,000 to 12,000 S according to variety

Fleck's Christmas Pepper. This makes a nice, compact plant with a profusion of cone-shaped fruit that is first green, changing to purple and finally red.

Tr. pkt. 50c., $\frac{1}{4}$ oz. \$1.50, oz. \$4.75

Christmas Cherry Improved. (Hlavacek's) Round fruit, red, compact.

Tr. pkt. 75c., $\frac{1}{4}$ oz. \$1.60, $\frac{1}{2}$ oz. \$2.60, oz. \$5.00

STATICE - Sea Lavender

24 to 28 in.—350 seed heads per ounce

Late Spring-flowering from Midwinter sowing. Grown outdoors in Southern climates for drying purposes.

Heavenly Blue.

Market Growers' Blue.

Snow Witch. Pure white, tall.

Yellow (Bonduelli). Deep yellow.

Superb Hybrids Mixture. This recent introduction contains a wide range of colors, some never before seen in Statice.

Tr. pkt. 20c., oz. 50c., $\frac{1}{4}$ lb. \$1.75, lb. \$5.25

Suworowi (Russian or Rattail). Especially good for greenhouse forcing. Seed sown in January will produce fine, artistically curved bright rose pink "rattails" that work in nicely with many flower arrangements in late Spring. Tr. pkt. 20c., $\frac{1}{4}$ oz. 45c., oz. \$1.50.

PERENNIAL STATICE—Listed page 43.

STRAWFLOWER—See Helichrysum.

SUMMER POINSETTIA—See Amaranthus.

SUNFLOWER—See Helianthus.

SWEET-WILLIAM—See Dianthus.

Fleck's Stocks

Another one of our specialty seeds grown for us under contract by originators and specialists who are constantly improving the strains. Nothing finer offered anywhere.

18,500 seeds per ounce.

GIANT COLUMN EXCELSIOR

Our Greenhouse Produced Seeds—Superior Quality

We offer only the types and colors worth a growers' time, based on our observations and opinions of growers who should know.

NON-BRANCHING VARIETIES

Sowings from August to December will bloom in about 5 months. However, planting as late as February 15 will flower around June 15.

WHITES

Fleck's White Improved, No. 30. Beyond doubt the best white today. Unsurpassed for doubleness, large flower head and pure white, velvety, fluffy florets. Very high double percentage; slightly taller and stronger grower than Ball No. 16.

Ball White Improved, No. 16. Pure white, extra large florets on well-formed, compact spikes.

PINKS

New Pacific Pink. New color. Bright, luminous salmon pink. Well formed, good stems.

½ tr. pkt. \$1.00, tr. pkt. \$1.60, ⅛ oz. \$3.00,
¼ oz. \$5.50.

Fleck's Deep Rose. Brilliant deep rose; long stems.

Ball Supreme, No. 22. Rich, silvery rose, long, stiff stems

Chamois Pink, No. 9. Attractive, buff and pink; two-tone

REDS

Fleck's Ruby. Deep red.

YELLOWS

Ball Apricot, No. 20. Large-flowered, creamy buff.

Deep Apricot. Shade darker than Ball Apricot.

Yellow Wonder. Rich, full toned cream yellow. Superior in every way to Gold Standard.

LILACS AND PURPLES

Lilac Lavender, No. 1. Large-flowered strain.

Silvery Lilac. Beautiful sheen.

Fleck's Purple Heart, No. 21. Bright violet purple, long-stemmed.

MIXTURE

Fleck's Special Blend. Compounded in proportion of colors as to their popularity.

Prices of any of the above (except New Pacific Pink):
½ tr. pkt. 75c., tr. pkt. \$1.25, ¼ oz. \$2.75, oz. \$9.75,
¼ lb. \$35.00

GIANT IMPERIAL (Super) Improved BISMARCK (Branching)

30 in.

Fine for cut or bedding, greenhouse or outdoors. An old favorite. Large, early flowered with good doubles percentage.

Buttercup. Rich yellow. **Lavender.** Silvery blue.

Chamois. Ivory tinted old rose to buff. **Rose (Rose Charm).** Rich deep rose.

Elk's Pride. Rich, deep royal purple. **Shasta.** Pure white, giant flowered.

Florists Mixture.

Tr. pkt. 40c., ¼ oz. \$1.25, oz. \$4.00



Stock, Giant Column
Fleck's White Improved No. 30

DWARF TEN WEEK

12 in. (Double)

Excellent for bedding and pot plants. Finished pots for Easter, like photo here—sell very well in place of Hyacinths.

Crimson

Dark Blue

White

Dwarf Ten-Week Mixture

Tr. pkt. 30c., ¼ oz. 75c., oz. \$2.25



TALL TEN WEEK

20 in.

Double Mixed. Beautiful blend of early flowering, high double percentage; wonderful for outdoor cut.

Tr. pkt. 30c. ¼ oz. 75c., oz. \$2.25, ¼ lb. \$7.00

Fleck's Sweet Peas

All the Best and Most Popular Varieties. All Good Profit Builders for Our Florist Friends

EARLY or WINTER FLOWERING VARIETIES 350 S.

Best results obtained from this group if planted in August and up to January 1. In the South and all frostless sections, sow 2 inches deep early in Fall and the plants will bloom, depending on location, from Christmas until late Spring.

PINK SHADES

Attraction. Clear bright salmon pink.

Ball Rose Supreme. Large, wavy flowers of bright, silvery rose pink. Fine producer.

Coed (New). Luminous, rich salmon pink. Large, bold flowers of fine substance. Vigorous and long stems, carrying 4 florets. A greatly improved Bridesmaid.
½ oz. 75c., oz. \$1.30, 4 ozs. \$4.95.

Hiawatha. Deep rose self, exceptionally large flowers with four blooms to stem.

Majestic Rose. Deep brilliant rose pink.

RED SHADES

Fiesta. Orange cerise.

Signal Red. Sunproof brilliant scarlet.

WHITES

Fleck's White Giant Wonder. Pure white, very large flowers placed in fours on long, strong stems. Good, strong grower. This is the largest in the early flowering class.

Cascade. Pure glistening white.

Gardenia. Dense paperwhite. Vigorous grower.

BLUE SHADES

Ball Blue Supreme. Bright blue.

Mrs. Herbert Hoover. Brilliant blue.

Waves. Mid-blue, large ruffled flowers.

LAVENDER SHADES

Triumph. Lilac mauve. Long-stemmed.

Twilight. Medium clear lavender.

ORANGE SHADES

Treasure Island. Sparkling golden orange, large duplexed.

Prices on all of the above: ½ oz. 35c., oz. 55c.,
¼ lb. \$1.65, ½ lb. \$3.10, lb. \$6.00



Fleck's White Giant Wonder

MIXTURE

Fleck's Special Early Winter Flowering Mixed of All the Varieties we list.

Oz. 50c. ¼ lb. \$1.50 ½ lb. \$2.75 lb. \$5.45

Pound rate allowed on orders in ¼ lb. lots, if order totals 1 lb. or more

Fleck's Sweet Peas

ZVOLANEK'S MULTIFLOWERED STRAIN

Unusually free flowering. Long stems with many having 6 or 7 blooms. Ideal for early to midseason sowing (July to December). Their blooming season is long and prolific, doing well to the end of the season.

Rose
Light Rose

Salmon Pink
Orange Cerise
Whirlwind. Light pink

White
Mixture

½ oz. \$1.70, oz. \$2.90, 4 ozs. \$9.90, lb. \$33.50

CUTHBERTSON STRAIN, NEW SPRING FLOWERING VARIETIES

Only recommended for sowing after November 1. Begins flowering in early April. Will continue to bloom on longer stems than the early flowering varieties sown same date. January sowing is ideal for May and June flowering. Good producers. Also used for outdoors.

BLUE SHADES

Danny. Deep blue.
Hazel. Bright blue.
Tommy. Medium blue.

WHITE

Janet. Frilled white.

PINK SHADES

Carol. Clear pink.
Evelyn. Salmon pink.
Lois. Rose pink.
Katie. Rose cream pink.

RED SHADES

Coline. Intense scarlet.
Jimmy. Dazzling scarlet.

ROSE SHADES

Billy. Rose on salmon.
Doris. Cherry rose.

LAVENDER SHADES

Frank G. Rosy lavender.
Jessie. Lilac mauve.

Mixed.

Prices on all the above Cuthbertson Strain: ½ oz. 35c., oz. 50c., ¼ lb. \$1.60, ½ lb. \$2.75, lb. \$5.40

LATE or SUMMER FLOWERING VARIETIES

The original strong growing class largely used for Summer flowering. Profitable for outdoor cuttings by sowing not later than February 1st, placing 3 or 4 seedlings in a 3-inch pot and after hardening them in an outdoor frame, planting them out. Space rows 3 feet, the pot plants spaced about 8 inches, but before doing so, syringe and fumigate very thoroughly, being sure they are clean of aphids. They should be sprayed for aphids every 2 weeks until they flower. Failures are frequently due to not watching this point. Usually reach a height of 4-5 feet and are supported with wire and string as indoors. Water should be applied when necessary. Flowers freely the last two weeks of June on. The new Spring flowering class are also well suited for outdoor growing.

BLUE SHADES

Windsor Blue. Clear mid-blue, large flowers, heavy stems.
Capri. Light blue.

SALMON SHADES

Crony. Soft, golden salmon.

WHITE

Snow White. Immense flowers, pure paperwhite.

ORANGE SHADES

Prince of Orange. Deep orange.

LAVENDER SHADES

Highlander. Clear, lovely lavender.

PINK SHADES

Pinkie. Deep rose pink. Large flowers.
Discovery. Brilliant chamois-pink; a new and exquisite shade

Prices on all the above Summer Flowering: ½ oz. 25c., oz. 40c., ¼ lb. \$1.20, ½ lb. \$2.20, lb. \$3.90

Fleck's Special Blend Summer Flowering.
Oz. 30c., ¼ lb. \$1.00, lb. \$3.40

Fleck's Special Summer Flowering Ruffled Varieties
Mixed. Oz. 40c., ¼ lb. \$1.20, lb. \$4.00.

NOTE—On important items, we have noted the approximate number of seeds per ounce which may be helpful in ordering. For example: **Sweet Peas**—350 S means 350 seeds per ounce. However, this does not mean that you will get that many plants. Under favorable germinating conditions, most large seeds may germinate fifty to sixty per cent.

Nature in seeds is just the same as in people—no two exactly alike. Some items like *Centaurea Candidissima*, never germinate better than 20 to 30%. Common *Petunias* or *Marigolds* 80 to 95%. Yet, within the same group there may be a few as low as 60% from same years' crop.

A good many growers consider it best to order *at least* double the quantity of seeds for the plants they desire. It is good business to have more seedlings than needed, rather than to be short. The cost of seed is little compared to other considerations.



Thunbergia



Verbena



Tithonia



Vinca

THUNBERGIA - Black-eyed Susan

1100 S

Sow seed about February. Plants make showy little Climbers. Good for edging in porch boxes or hanging baskets, etc. Planted with Cobaeas they cover the lower part of those plants and produce single white, yellow or orange flowers with dark centers, all Summer. This makes a very attractive combination.

Alata, Mixed.

Tr. pkt. 20c., $\frac{1}{4}$ oz 35c., oz. \$1.10, 4 ozs. \$3.50

Gibsoni. Brilliant glowing orange, twice the size of Alata.

Tr. pkt. 85c., $\frac{1}{8}$ oz. \$1.85, $\frac{1}{4}$ oz. \$3.50

TITHONIA - Mexican Sunflower

3600 S

Torch. Single, bright orange flowers with yellow discs. Bush form plants. Early. Heat resistant. Free flowering.

Tr. pkt. 40c., $\frac{1}{8}$ oz. 90c., $\frac{1}{4}$ oz. \$1.50, oz. \$4.50

TOBACCO PLANT—See NICOTIANA.

TORENIA

8 to 10 in.—375,000 S

Fournieri compacta. Blue. Rich combination of deep blue with golden blotches. Excellent as a pot plant for Spring sales, for bedding, border work, boxes, etc. Blooms profusely all Summer and tends to spread to as much as 18 inches across.

White. Same habit as the blue described above, except color.

Tr. pkt. 40c., $\frac{1}{16}$ oz. 75c., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.25

VIOLA - Miniature Pansies

Extra free flowering. Hardy and fine for bedding.

25,000 S

Tr. pkt. $\frac{1}{8}$ oz. $\frac{1}{4}$ oz. Oz.

Arkwright Ruby. Bright ruby crimson.....\$0.60 \$1.60 \$2.85 \$8.80

Blue Perfection. Bright blue, large flowers..... .60 1.20 2.25 6.40

Chantryland. True apricot, yellow, large flowered..... .60 1.10 2.10 6.25

Puck. Purplish violet and yellow.. .40 .75 1.35 4.25

Purple Queen. Purplish violet blue. .40 .75 1.35 4.25

White Perfection. Small pure white. .40 .75 1.35 4.25

Yellow Gem. Pure yellow..... .40 .75 1.35 4.25

Exquisite Blend. Our own mixture of above..... .60 1.10 2.00 6.00

VERBENA

10,000 S

Fleck's Early Dwarf Upright Mixed. This new strain was especially developed for the bedding plant trade. Earliest bloomer of all Verbenas. Wide and unusual range of colors, including Apricot, Lavender and Mauve.

Tr. pkt. 75c., $\frac{1}{4}$ oz. \$2.00, oz. \$6.00

DWARF COMPACT HYBRIDS

Alba. White.

Fireball. Bright scarlet.

Fleck's Dwarf Mixed, of above 2 colors.

Price on above:

Tr. pkt. 40c., $\frac{1}{4}$ oz. \$1.10, $\frac{1}{2}$ oz. \$1.70, oz. \$3.25

Pixie. Bright scarlet with cream eye. Very compact; large florets.

Tr. pkt. 50c., $\frac{1}{4}$ oz. \$1.35, $\frac{1}{2}$ oz. \$2.50, oz. \$4.50

Sparkle. Bright scarlet red with white eye. 2-2 $\frac{1}{2}$ in.; height, 9 in.; very uniform, showy and bright; production, heavy.

Tr. pkt. 75c., $\frac{1}{4}$ oz. \$2.00, oz. \$6.00

Crystal. New counterpart to Sparkle. Pure glistening snow white. A wonderful new Verbena.

Tr. pkt. 75c., $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50, oz. \$7.50

BUSH TYPE—8-10 in.

Salmon Queen. Brilliant salmon pink.

Starlight. Bright midblue, with creamy white eye.

Tr. pkt. 55c., $\frac{1}{4}$ oz. \$1.30, oz. \$4.00

ERECT, COMPACT TYPES

Blue Sentinel. Rich, blue shades.

Tr. pkt. 55c., $\frac{1}{4}$ oz. \$1.65, oz. \$5.00

Violet Bouquet. Various shades of violet.

Tr. pkt. 50c., $\frac{1}{4}$ oz. \$1.40, oz. \$4.00

GIANT FLOWERING GRANDIFLORA

8-10 in.

Ideal for bedding. Sow seeds early with bottom heat.

Beauty of Oxford Hybrids. **Lucifer.** Fiery pink, shading to salmon.

Rose shades. **Royale.** Rich deep blue with creamy eye.

Crimson Glow. Glowing crimson. **White.** Pure white.

Lavender Glory. Lavender, cream eye. **Fleck's Exquisite Mixed (Royal Bouquet)**

Price on above: Tr. pkt. 40c., $\frac{1}{4}$ oz. 80c., $\frac{1}{2}$ oz. \$1.50, oz. \$2.85

VINCA - Periwinkle

15 in.—21,000 S

Good bedder. Sow early, bottom heat. One of the finer bedding plants. Deep green, waxy leaves. Blooms profusely until frost.

Alba Pura. Pure white. **Twinkles.** Soft pink with red eye.

Alba oculata. White with pink center **Kermesina.** Crimson.

Rosea. Medium pink. **Choice Mixed**

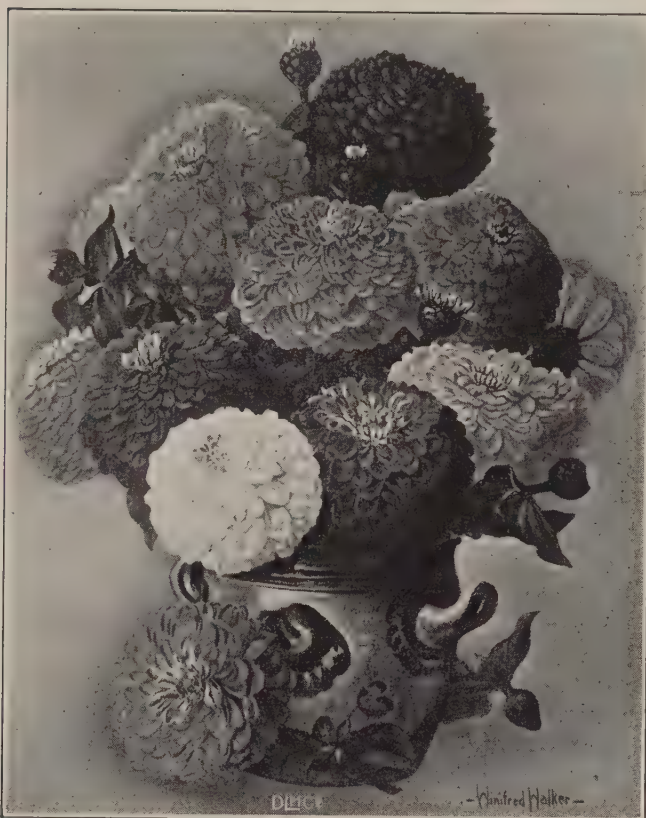
Prices of Vinca: Tr. pkt. 30c., $\frac{1}{4}$ oz. 60c., oz. \$2.00

Fleck's Giant Zinnias All the Best

2500 to 4200 S per Ounce

Another one of our specialties because it is a great money maker for Mr. Florist. We have taken considerable time and pains to procure the widest range of types and colors for your selection. We recommend late March sowing in warm greenhouse and give bottom heat. October or November sowing for our friends in the South.

DAHLIA FLOWERED 30 in.



- Canary Bird. Bright clear canary yellow.
 - Crimson Giant. Deep crimson.
 - Dream. Attractive orchid lavender.
 - Eldorado. Salmon apricot.
 - Exquisite. Medium rose pink with deeper center.
 - Golden Dawn. Clear golden yellow.
 - Golden State. Rich orange yellow.
 - Illumination. Deep rose.
 - Luminosa. Flaming rose.
 - Meteor. Rich deep red, very striking.
 - Oriole. Orange and gold bicolor.
 - Polar Bear. Creamy white.
 - Purple Prince. Deep purple.
 - Scarlet Flame. Bright scarlet.
 - Will Rogers. Bright scarlet red.
 - Finest Mixed of All Dahlia Flowered.
- Tr. pkt. 30c., 1/4 oz. 50c., 1/2 oz. 85c., oz. \$1.35, 1/4 lb. \$4.00, lb. \$14.50

Special "Klondike" Offer

Collection of trade packet each of the above
15 varieties for \$3.50
Or any 10 pkts., your selection, \$2.75

SUPER CROWN O'GOLD

Petals overlaid with a deep golden yellow at base, individual flower color at tip.

Pastel Tints. Many shades.

Tr. pkt. 25c., 1/4 oz. 50c., oz. \$1.50

NEW SUPER GIANTS 30 in.

FLUFFY, RUFFLED and CACTUS

Burpee Hybrids. Immense, fluffy and ruffled flowers with graceful, curved petals like those of a giant Chrysanthemum.

Tr. pkt. 50c., 1/4 oz. 80c., oz. \$2.40, 4 ozs. \$8.00

Floradale Scarlet. Cactus blooms 5 1/2 to 6 1/2 in. across. Brilliant scarlet red.

Tr. pkt. 30c., 1/4 oz. 50c., oz. \$1.50, 4 ozs. \$4.40

Luther Burbank. Delicate pastel shades in blooms larger than Dahlia class. Many two and three color combinations.

Tr. pkt. 50c., 1/4 oz. 80c., oz. \$2.40, 4 ozs. \$7.50

Riverside Beauty. Cactus flowers, 5 to 5 1/2 in. across. Luminous Azalea pink.

Tr. pkt. 35c., 1/4 oz. 75c., oz. \$2.40, 4 ozs. \$7.00

Fleck's Super Giants Mixture. This is a special blend of our own Super Giants of the Dahlia Class as well as all of the above newer varieties.

Tr. pkt. 50c., 1/4 oz. 90c., oz. \$2.25, 4 ozs. \$6.90

FANTASY TYPES

30 in. (Chrysanthemum Flowered)

Star Dust. Bright, deep golden yellow.

White Light. Pure white.

Wildfire. Intense dazzling scarlet.

Choice Mixed.

Tr. pkt. 25c., 1/4 oz. 45c., 1/2 oz. 70c., oz. \$1.25

CALIFORNIA GIANTS

Mammoth, 30 in.

Brightness. Bright rose pink

Miss Willmott. Soft pink.

Cerise Queen. Salmon cerise

Orange King.

Daffodil Improved. Clear canary yellow.

Purity. Best white.

Enchantress. Light pink with deep center.

Rose Queen. Flashy deep rose.

Golden Queen. Bright golden yellow.

Scarlet Queen. Intense scarlet.

Lavender Queen. Deep rosy lavender.

Violet Queen. Violet purple.

Special Mixed of Above Varieties.

Tr. pkt. 25c., 1/4 oz. 45c., 1/2 oz. 75c., oz. \$1.25,
1/4 lb. \$3.75, lb. \$13.50

"TREASURE CHEST" OFFER

Trade packet each of the above 12 varieties for \$2.40

Fleck's Zinnias—All the Best



Zinnia, Lilliput



Zinnia, Giant Crested



Zinnia, Haageana



Zinnia, Linearis



Zinnia, Fantasy

LILLIPUT IMPROVED

12 in. (Pompon)

Attractive bedding type. Also fine for short bouquet work. However, if you want the small flowering type for cut work only, then we recommend the Elegans Pumila.

Black Ruby. Double, deep velvety maroon.

Canary Gem. Canary yellow

Crimson Gem.

Golden Gem. Golden orange

Lilac Gem.

Pink Gem.

Purple Gem.

Rosebud. Rose pink.

Salmon Gem. Salmon rose.

White Gem.

Valencia. Delightful, burnt orange.

Choice Mixed.

Tr. pkt. 20c., ¼ oz. 40c., ½ oz. 70c., oz. \$1.25, ¼ lb. \$3.75, lb. \$12.00

SPECIAL OFFER: Trade packet each of above (except Mixtures) 11 Lilliput Varieties for \$1.80

ELEGANS PUMILA -

Tall Type Lilliput

18 in. to 24 in. Cut-and-Come-Again

Double and perfectly formed, medium size flowers with long stems. Particularly fine for cutting.

Peppermint Stick. This strain is characterized by its unusual red and white and yellow and white striped flowers. Pumila type. Medium size blooms. Approximately 70 per cent will be striped.

Tr. pkt. 35c., ¼ oz. 75c., oz. \$2.25, 4 ozs. \$7.00

Golden Ball.

Pinkie. Rose pink.

Fireball. Scarlet.

Salmon Rose. Watermelon pink.

Spun Gold. Delicately tinted butter yellow.

Snowball. Snow white.

Fleck's Special Mixture. Blend of above.

Tr. pkt. 20c., ¼ oz. 35c., oz. \$1.00, ¼ lb. \$3.40

GRACILLIMA

12 in.

Red Riding Hood. Deep scarlet, large number of miniature red flowers. Good bloomer. Tr. pkt. 25c., ¼ oz. 50c., oz. \$1.50.

DOUBLE CREEPING

("SANVITALIA PROCUMBENS")

Dwarf. Edging, bright yellow. Tr. pkt. 30c., ¼ oz. 60c., oz. \$2.00.

HAAGEANA - Double Zinnia

18 in.

Persian Carpet. Improved Haageana type. Height 12 in. Fully double, ball shaped blooms of miniature type in a sparkling range of variegated color combinations with many rich shades including gold, bronze and orange. Flowers with cutting stems borne on low, mound-shaped border and edging plants.

Tr. pkt. 50c., ¼ oz. \$1.50, oz. \$4.50

Mexican Hybrids, Finest Mixed. Small-flowered type, attractive colors. Excellent bedder. Tr. pkt. 30c., ¼ oz. 60c., oz. \$2.00.

SCABIOUS-FLOWERED

Mixture, Giant Crested. Produces blooms of good texture.

Tr. pkt. 25c., ¼ oz. 45c., oz. \$1.40

LINEARIS

12 in.

Orange. Single flowers, deep orange with delicate yellow stripe, very showy. Adapted for borders. Prolific bloomer. Compact. Tr. pkt. 30c., ¼ oz. 60c., oz. \$2.00.

NEW CUPID ZINNIAS

The Smallest of Them All—6-8 in.



Zinnia, Tom Thumb Cupid

Fine for bedding pot plant sales, rock gardens, borders and combination pan work.

Tom Thumb Mixture. Tr. pkt. 25c., ¼ oz. 50c., oz. \$1.50.

Perennial Seed for Florists

AND POPULAR BIENNIALS

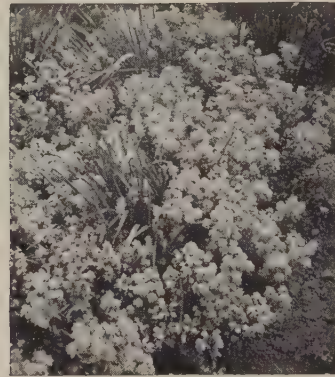
Every florist who has the available space should grow Perennials. Some are as easily raised as Annuals; quite a few may be forced; some make fine pot plants, and many furnish splendid cutting material. The rock garden requirements absorb all the low-growing varieties and the florist with his eye to the future will devote considerable space to Perennials of all kinds. They require little heat, if any, and not much care.



Achillea, Pearl



Aconitum



Alyssum, Saxatile Compactum



Anchusa

ACHILLEA - Ptarmica Fl. Pl.

Fine for cutting.

Filipendula (Cloth of Gold). 22,000 S. Large heads of golden yellow flowers on long stems.

Pearl. 150,000 S. Abundance of small white, double flowers. 30 in.

Tr. pkt. 30c., $\frac{1}{8}$ oz. 70c., $\frac{1}{4}$ oz. \$1.25, oz. \$4.50.

ACONITUM - Monks Hood

(CUPID'S CAR)

Requires low temperature or freezing to germinate.

Napellus. Dark blue. 36 in.

Tr. pkt. 30c., $\frac{1}{4}$ oz. 80c., $\frac{1}{2}$ oz. \$1.55, oz. \$3.00.



Anemone, St. Brigid



Aquilegia, Long Spurred

ALLWOODII - See DIANTHUS

ALYSSUM

40,000 S

Perfectly hardy. Make fine plants for rock garden or borders.

Saxatile compactum. Golden yellow. 12 in.

Tr. pkt. 20c., $\frac{1}{4}$ oz. 35c., oz. \$1.00

ANCHUSA

Italica, Dropmore. Blue. Excellent for cut. 5 ft. 1200 S.

Tr. pkt. 20c., oz. 60c.

ANEMONE

35,000 S

St. Brigid Hybrid Mixed. Brilliant colors. Good keeper, long stems. 18 in.

Tr. pkt. 55c., $\frac{1}{4}$ oz. \$1.10, oz. \$3.25.

ANTHEMIS - Hardy Marguerite

30 in.—85,000 S

Kelwayi. Golden yellow, Daisy flowers, blooms throughout the Summer.

Tinctoria. Light yellow.

Tr. pkt. 20c., $\frac{1}{4}$ oz. 30c., oz. 70c.

AQUILEGIA - Columbine

COERULEA (Rocky Mountain Columbine)

16,000 S

Tr. pkt. $\frac{1}{8}$ oz. $\frac{1}{4}$ oz. Oz.

Coerulea. Sky blue with white

corolla. 2 ft. \$0.40 \$1.25 \$2.00 \$5.50

LONG SPURRED VARIETIES

Fleck's Hybrids, Mixed Long Spurred Varieties.

Ideal mixture for the florist. Unusual fine strain; full color range. 3 ft. Tr. pkt. 50c., $\frac{1}{8}$ oz. 90c., $\frac{1}{4}$ oz. \$1.60, oz. \$5.90

Blue Shades. 3-4 ft. This strain is the result of years of selecting.

Huge flowers. \$0.50 \$0.85 \$1.45 \$5.00

Copper Queen. Copper red, straw

corolla. 2 ft.55 1.50 2.90 9.00

Crimson Star. 18 in. Almost 100%

dark red with white corolla.60 1.50 3.00 9.50

Longissima. Delicate, pale yellow

with 4 in. spurs. Very fragrant.

1/16 oz. \$2.50, 1/32 oz. \$1.60, .60 4.50

Mrs. Scott Elliott's Strain. 2 ft.

Popular mixture.40 .65 1.00 3.20

Orange and Scarlet Shades.60 1.50 2.90 9.00

Pink Shades.60 1.50 2.90 9.00

PERENNIAL SEEDS FOR FLORISTS



Arabis



Armeria, Glory of Holland



Bellis

ARABIS - Rock Cress

150,000 S

Excellent for rockeries, borders, etc. Habit—dense masses of flowers.

Alpina Snow Cap. Compact, glistening white. 6 in.

Tr. pkt. 40c., $\frac{1}{4}$ oz. 80c., oz. \$2.75

Alpina Rosea. Dwarf, upright pink. 12 in.

Tr. pkt. 50c., $\frac{1}{8}$ oz. 90c., $\frac{1}{4}$ oz. \$1.75, oz. \$6.00

Spring Charm. Carmine red.

Tr. pkt. 50c., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.40

ARMERIA

24 in.—18,000 S

Glory of Holland. A beautiful, clear, deep pink, the 2 to 3 in. flowers are borne in great abundance on a straight, graceful stem 24 in. high during June and continue to bloom until frost. As a cut flower it stands up well and lasts for many days.

Tr. pkt. 60c., $\frac{1}{16}$ oz. \$1.15, $\frac{1}{8}$ oz. \$2.00, $\frac{1}{4}$ oz. \$3.00

AUBRIETIA

150,000 S

Dense mass—matlike habit. Excellent for rockeries, hillsides, etc.



Hendersoni. Deep purple.

Leichtlini. Carmine rose.

Large-flowered Hybrids. 6 in. Bright mixture.

Above each: Tr. pkt. 55c., $\frac{1}{8}$ oz. \$1.10, $\frac{1}{4}$ oz. \$2.00

AURICULA —See PRIMULA

BABY'S BREATH —See GYPSOPHILA PANICULATA

BAPTISIA

36 in.—1750 S

Australis (False Indigo). Blue, pea-shaped flowers in sprays.

Tr. pkt. 30c., oz. 80c.

BELLIS - English Daisy

Fine for rockeries, massed borders, etc.

170,000 S

Double Red

Double White (Snowball). 6 in.

Double Rose

Double Mixed

Prices of all Bellis:

Tr. pkt. 60c., $\frac{1}{8}$ oz. \$1.75, $\frac{1}{4}$ oz. \$3.40, oz. \$9.50



Boltonia

BOLTONIA - Latisquama

(FALSE CHAMOMILE)

4-5 ft.—80,000 S

Pink. Delicate shade.

Tr. pkt. 30c., $\frac{1}{4}$ oz. \$1.00, oz. \$3.20

PERENNIAL SEEDS FOR FLORISTS



Campanula, Medium



Centaurea, Montana



Cerastium



Coreopsis

CAMPANULA

CARPATICA (Carpathian Bellflower)
9 to 12 in.—350,000 S

Alba, white Blue Mixed
Tr. pkt. 30c., 1/8 oz. 80c., 1/4 oz. \$1.40

MEDIUM CALYCANTHEMA (Cup-and-Saucer)
3 ft. (Biennial)—120,000 S

Dark Blue Rose White, or Mixed
Tr. pkt. 25c., 1/4 oz. 50c., oz. \$1.75

MEDIUM SINGLES (Canterbury Bells)—135,000 S

Lilac Rose White Blue Mixed
Tr. pkt. 20c., 1/4 oz. 30c., oz. 90c.

MEDIUM DOUBLES—120,000 S

Blue Rose White Or Mixed
Tr. pkt. 40c., 1/8 oz. 80c., 1/4 oz. \$1.50

PERSICIFOLIA (Perennial Peach Bell)
30 in.—340,000 S

Telham Beauty. Very large bells of China Blue shades.
Tr. pkt. 40c., 1/8 oz. \$1.00, 1/4 oz. \$1.85

PYRAMIDALIS (Chimney Bells)
5 ft.—250,000 S

Alba, white Blue, lavender blue Mixed
Tr. pkt. 40c., 1/8 oz. \$1.00, 1/4 oz. \$1.85

CANDYTUFT - Iberis

6,000 S

Gibraltarica. Lilac shading to white. 12 in.
Tr. pkt. 25c., 1/4 oz. 50c., oz. \$1.50

Jucunda. Dwarf, pink. 4 in.
Tr. pkt. 50c., 1/16 oz. \$1.50, 1/8 oz. \$2.70

Sempervirens. Standard white. 12 in.
Tr. pkt. 50c., 1/4 oz. \$1.35, oz. \$4.75

CARNATION - Grenadin

20 in.—14,000 S

One of the perennials well adapted for cutting.

Black King. Dark red Triumph. Deep pink
Cardinal Red White Gold. Soft yellow
Golden Sun. Yellow Mixed
Snow White

Tr. pkt. 60c., 1/8 oz. \$1.10, 1/4 oz. \$2.00, oz. \$6.50

CENTAUREA - Minor

24 in.—1600 S

Montana. Azure blue flowers.

Tr. pkt. 25c., 1/4 oz. 50c., oz. \$1.50

ANNUAL CENTAUREA—See page 8.

CERASTIUM - Snow-in-Summer

42,000 S

Tomentosum. White flowers, silvery white foliage. Fine for
rockeries or edging. 10 to 15 in.

Tr. pkt. 30c., 1/4 oz. 60c., oz. \$1.80

CHEIRANTHUS

(Hardy Annual) 18 in.—19,000 S

	Tr. pkt.	1/4 oz.	Oz.
Allioni (Siberian Wallflower). Biennial.			
Brilliant orange (Orange Queen).....	\$0.20	....	\$0.50
Golden Bedder. Very desirable. Large, deep golden yellow flowers. Sweet- scented.....	.20	.35	1.00
Kewensis (Winter Wallflower). Primrose changing to mauve. 30 in.....	.25	.65	2.50
Linifolius (Alpine Flower). Lilac.....	.25	.55	1.95

CHRYSANTHEMUM - Daisies

SHASTA or MOON DAISY

Diener's Giant. 18,000 S.
Double fringed white, excel-
lent strain. Large flowers.
Oz. \$11.50, \$0.50 \$1.20 \$2.00 \$3.90 \$6.50

Korean Hybrids. 60,000 S.
Single and semi-double flow-
ers of fine color range..... 1.00 1.60 2.50 4.50

May Queen (Spring Marguer-
ite). 20,000 S. Medium size
flowers. One of the best
varieties. 2 ft..... .40 .75 1.25 2.00 6.50

Shasta Alaska, Single. 20,000
S. Large, pure white flowers.
2 1/2 ft..... Oz. \$2.95, .2540 .60 1.50

Shasta Alaska, Double.
26,000 S. Large, white flow-
ers on long, strong stems.
Ideal for cutting. 3 ft.....
Oz. \$11.50, .50 1.10 1.95 3.35 6.25

COREOPSIS - Tickseed

30-36 in.—11,000 S

Perennial forms of Calliopsis. Tr. pkt. 1/4 oz. Oz.
Double New Gold. Large and fluffy flow-
ers of rich golden yellow with long stems
makes this a real cut flower item. Comes
100% double..... \$0.30 \$0.55 \$1.50

DAISY

See CHRYSANTHEMUM

PERENNIAL SEEDS FOR FLORISTS



Delphinium, Pacific Giants

DELPHINIUM 10,000 S

Early Spring sowing will produce nice, large clumps by Fall for sales or greenhouse forcing. January sowing will produce flowers during Summer. July and August sowing and transplanting into the field during Fall will produce an early crop of fine large spikes.

Sow from January to September in flats. Use light, sandy soil, cover seed very slightly, keep moist and shaded until germination starts. Gradually give more light and fresh air, later transplant into flats and when large enough, harden off in full sun before planting out. Rich soil, good drainage and sunny location are essential.

For quicker and better germination, freeze seeds before sowing.

Tr. pkt. 1/4 oz. Oz. 1/4 lb.

Bellamosum Improved. Deep blue.
Lb. \$40.00 \$0.40 \$1.00 \$3.25 \$11.00

Cliveden Beauty (Improved Belladonna). Light blue.40 1.00 3.25 11.00

Wrexham (English Hollyhock).... .55 1.75 6.00 22.50

PACIFIC GIANTS STRAIN—5 ft.

Magnificent show type, produces immense tapering spikes with large, double florets. Seeds we offer were produced from originators' finest stock.

Astolat Series. Contains many new shades, such as pale blush, lilac pink, deep Raspberry rose, white brown, fawn, and black bees for contrast.

Tr. pkt. \$1.75, 1/8 oz. \$3.25, 1/4 oz. \$6.00

Black Knight. Velvety dark purple.

Blue Bird Series. Clear, medium blue with white bees.

Galahad Series. Pure white.

Guinevere Series. Light pink lavender with white bee.

King Arthur. Brilliant royal violet. White bee.

Lancelot. Clear lilac with white bee; a rare color in Delphinium.

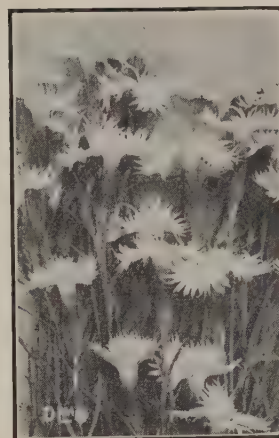
Round Table Series. All the newest colors and types.

Summer Skies Series. Clear blue with white bee.

Pacific Hybrids Mixed.

Prices on all Pacific Giants, except Astolat:

Tr. pkt. \$1.50, 1/8 oz. \$2.50, 1/4 oz. \$4.50, oz. \$15.50



Dianthus, Pinks



Dianthus, Barbatus

DIANTHUS - Pinks

28,000 S

PLUMARIUS VARIETIES

Cyclops. Perpetual single. Nice color range with red eyes.
Tr. pkt. 40c., 1/4 oz. \$1.10, oz. \$3.95.

Scotticus Double. Special florist strain. Self colors of various tints of pink, rose, salmon and white and the same colors in combination with a bright crimson zone. 12-15 in. blooms, 1 1/2 to 2 in. Free flowering. This is the best one in the Plumarius class.

Tr. pkt. 35c., 1/8 oz. \$1.00, 1/4 oz. \$1.75, oz. \$5.40

OTHER VARIETIES

Tr. pkt. 1/8 oz. 1/4 oz. Oz.

Allwoodi alpinus, Mixed. 4 to 6 in. flowers first year from seed. A gem for the rockery; fragrant.....\$0.35 \$1.00 \$1.75 \$5.60

Caesius grandiflorus (Cheddar Pinks). Pink flowers. 6 in..... .35 .50 .90 3.00

Deltoides, Brilliant (Maiden Pinks). Rich rose pink. 6 in..... .35 1.00 1.75 5.50

Little Jock Hybrids. Rare, extra dwarf, 6 in. Mixed colors..... .75 2.25 4.00 13.50

Rare Species. Rock garden mixture. .60 1.90 3.50 11.00

Winteri (New Pinks). Pure colors, compact habit; flowers first year from seed. 9 in..... .60 1.50 2.75

DIANTHUS - Barbatus

(Hardy Biennial Sweet William)

Single Giant White. Enormous trusses which give the appearance of Perennial Phlox. Flowers almost twice size of ordinary varieties. 24 in.

Single Newport Pink. 18 to 24 in.

Single Scarlet Beauty. 18 to 24 in.

Singles Mixed. 18 to 24 in.

Prices of above: Tr. pkt. 35c., 1/4 oz. 75c., oz. \$2.60

DWARF MIXTURES

Single Dwarf Alpine Mixed. Compact. 4 to 6 in. Ours is an excellent strain in full Sweet William color range.

Tr. pkt. 60c., 1/4 oz. \$1.45, oz. \$4.70

Double Dwarf Alpine Mixed. Compact. 4 to 6 in. Same as above mixture, except almost 100% doubles.

Tr. pkt. 40c., 1/4 oz. 85c., oz. \$3.00

ANNUAL DIANTHUS. See page 11.

DICTAMNUS - Gas Plant

30 in.—1700 S

Seeds germinate slow and irregular.

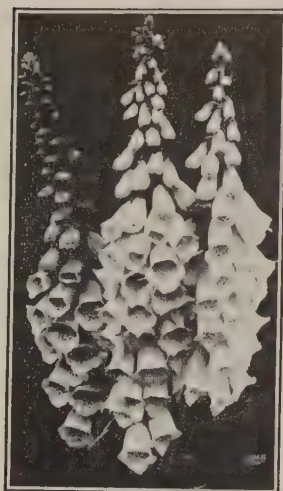
Fraxinella. Pink with dark veins.

Fraxinella albus. White.

Tr. pkt. 35c., 1/4 oz. 60c., oz. \$1.95



Dielytra



Digitalis

DIGITALIS - Foxglove

4 ft.—Biennial—180,000 S

Giant Shirley Spotted Mixture. Enormous flowers. Height 4-6 ft.

Tr. pkt. 25c., 1/4 oz. 60c., oz. \$2.15

DIELYTRA - Dicentra

Eximia. Dwarf type. Effective in rockeries. Plumy.

Tr. pkt. 40c., 1/8 oz. 65c., 1/4 oz. \$1.10

Spectabilis (Bleedingheart).

Tr. pkt. \$1.00, 1/16 oz. \$2.00, 1/8 oz. \$3.65

ECHINOPS

1000 S

Ritro (Globe Thistle). Violet. 3 ft. Flower heads, 1 1/2 to 2 in. Can be dried for Winter use.

Tr. pkt. 40c., 1/4 oz. \$1.10, 1/2 oz. \$1.70, oz. \$3.10

ENGLISH DAISY—See Bellis

EVENING PRIMROSE—See Oenothera

FEVERFEW—See Matricaria

FORGET-ME-NOT—See Myosotis

FOXGLOVE—See Digitalis

HARDY PINKS - See Dianthus

GAS PLANT - See Dictamnus

GAZANIA

Splendens Grandiflora Mixed. Daisy type flower with dark center; yellow and white shades; greenhouse perennial.

Tr. pkt. 50c., 1/4 oz. \$1.00, oz. \$3.00

GEUM AVENS - Rose of the Rockery

2 ft.—7000 S

Lady Stratheden. Double golden, orange yellow.

Mrs. Bradshaw. Double glowing scarlet.

Tr. pkt. 30c., 1/4 oz. 55c., oz. \$1.85

HELIANTHEMUM - Sun Rose

15,000 S

Mutabile, Mixed Colors. 12 in. Dwarf, evergreen rock plant. Blooms during July and August.

Tr. pkt. 25c., 1/4 oz. 45c., oz. \$1.45

GAILLARDIA Grandiflora



Gaillardia, Goblin

20 in.—9500 S

Well adapted for cutting with the exception of the variety "Goblin." Tr. pkt. 1/4 oz. Oz.

Burgundy. Coppery scarlet self.....\$0.30 \$0.75 \$2.25

Dazzler. Gold with maroon red center.... .30 .55 1.85

Goblin. Dwarf compact, red and yellow bicolor flowers, fine for rockeries..... .25 .75 2.25

Tangerine Improved. Giant orange flowers overlaid with red..... .35 .60 1.95

Fleck's Superb Mixture..... .30 .60 1.90

Other GAILLARDIAS listed in Annuals Section



Gypsophila



Heuchera

GYPSOPHILA

3 ft.—34,000 S

PANICULATA (Baby's Breath)

An asset for outdoor cutting. Economical and easy to grow.

Tr. pkt. 1/4 oz. Oz.

Double Snowflake.....\$0.40 \$1.40 \$4.75

Single White.....1/4 lb. \$1.50, .2045

Oldhamiana. 30 in. Feathery light pink flowers with silvery foliage. Blooms first year from early sowing. October flowering.\$0.25 \$0.75 \$2.50

For Yellow Gypsophila, see "Isatis," next page.

ANNUAL GYPSOPHILA—See page 12.

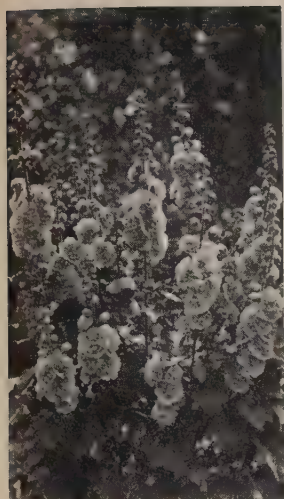
HEUCHERA - Coral Bells

24 in.—750,000 S

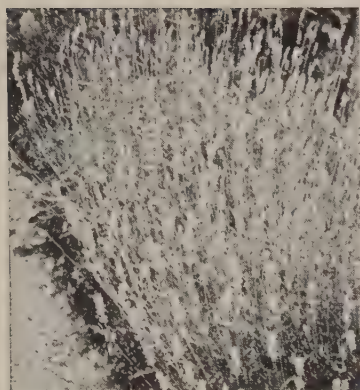
Sanguinea Hybrids Mixed. Shades of red and rose to white. Sanguinea splendens. Vermilion.

Tr. pkt. 60c., 1/16 oz. \$1.75, 1/8 oz. \$3.20

PERENNIAL SEEDS FOR FLORISTS



Hollyhock, Double



Lavandula, Lavender Vera



Liatris, Pycnostachya



Lunaria

HIBISCUS

4 ft.

Mallow Marvels, Mixed. Reselected. Pink, Rose and Red shades. Tr. pkt. 25c., 1/4 oz. 45c., oz. \$1.35.

HOLLYHOCK

6 to 7 ft.—2700 S

Tr. pkt. 1/4 oz. Oz.

Triumph Double Mixed. Flowers waved and fringed.....\$0.30 \$0.60 \$1.80

HONESTY - See Lunaria

IBERIS - See Candytuft

ISATIS

Glaucia (Golden Gypsophila). Silvery gray-green foliage. Clouds of fine yellow in July. 2 ft.

Tr. pkt. 40c., 1/4 oz. 85c., 1/2 oz. \$1.55

LAVANDULA - Mallow

12 in.—32,000 S

Munstead Strain (Improved Vera). Freely produces large, sweet-scented flowers a month earlier than the old common type.

Tr. pkt. 40c., 1/4 oz. \$1.10, oz. \$4.00.

LEONTOPODIUM - Alpinum (Edelweiss)

Attractive rock garden plant. Small greenish white leaves.

Tr. pkt. 60c., 1/16 oz. \$1.10, 1/8 oz. \$2.00

LIATRIS - Blazing Star

3 to 5 ft.—10,000 S

Excellent cut, long, decorative spikes.

Pycnostachya. Purple. 5 ft.

Scariosa. Rose purple. 4 ft.

Spicata. Purple rose. 20 in.

Tr. pkt. 35c., 1/4 oz. \$1.00, oz. \$3.00

LILIUM

LILIES FROM SEED

Regale. 6600 S. White flowers with lemon tinting on inside, rosy suffusions near base on outside. Excellent for outdoor growing for cut.

Tr. pkt. 25c., 1/4 oz. 60c., oz. \$1.50, 1/4 lb. \$5.00

LINUM - Perennial Flax

8500 S

Tr. pkt. 1/4 oz. Oz.

Collinum. Dwarf, light blue.....\$0.40 \$0.80 \$2.50

Flavum. Golden yellow, fine rock plant.

1 ft..... .30 .75 .85

Flavum nanum compactum. Dwarf yellow.

low. 6 in.....1/8 oz. \$1.20, .50 2.00 7.00

Perenne. Blue. 30 in..... .2060

ANNUAL LINUM (Scarlet)—See page 13.

LOBELIA

700,000 S

Tr. pkt. 1/4 oz. Oz.

Cardinalis. Scarlet. 3 ft.....\$0.40 \$1.30 \$3.90

LUNARIA - Honesty or Money Plants

(Biennial)—3 to 5 ft.—1500 S

Good for cut or drying for decorative purposes.

Madonna. White

St. Peter's Penny. Lilac purple

Fleck's Blend.

Tr. pkt. 25c., 1/4 oz. 40c., oz. \$1.40, 1/4 lb. \$5.00

LYCHNIS - Maltese Cross

30 in.—64,000 S

Chalcedonica. Scarlet. 36 in.

Tr. pkt. 25c., 1/4 oz. 45c., oz. \$1.40

PERENNIAL SEEDS FOR FLORISTS



Russell Lupines



Matricaria



Oenothera, Missouriensis

LUPINUS - Hardy Lupines

1000 S

Thrives best in a cool climate and requires a well-drained location. Excellent for cut. Tr. pkt. ¼ oz. Oz.

Russell Strain. Unusually long, closely set flower spikes and the widest range of attractive colors.....	4 ozs.	\$6.50,	\$0.40	\$0.65	\$2.10
Albus. White. 3 ft.....		.20	.35	1.00	
Coelestinus. Sky blue.....		.30	.70	2.25	
Carminous. Carmine.....		.25	.65	2.00	
Dark Blue.....		.20	.40	1.15	
Luteus. Yellow shades.....		.25	.65	2.00	
Roseus. Rose pink.....		.35	.65	2.00	
Salmonus. Salmon and Autumn shades.....		.35	.65	2.00	
Mixed of above.....		.35	.75	2.00	

ANNUAL LUPINES—See page 14.

MATRICARIA - Capensis (Feverfew)

24 in. —145,000 S

Ball Double White. Sowings of this popular strain made through January will produce a welcome cut during July and August. Improved.

Tr. pkt. 50c., ½ oz. \$2.50, ¼ oz. \$4.60

DWARF DOUBLES

Golden Ball. Dwarf semi-double, golden yellow. 10 in.

Snowball. Pure white.

Prices of the above—2 dwarfs

Tr. pkt. 35c., ⅙ oz. 60c., ¼ oz. \$2.00

MYOSOTIS - Forget-me-not

42,000 S

Tr. pkt. ¼ oz. Oz.

Blue Bird (Oblongata). Early. Standard blue. Used also for Spring greenhouse flowering. 12 in. \$0.40 \$0.90 \$3.25

Alpestris (Sutton's Royal Blue). Indigo blue. 12 in.40 .85 3.00

ALPESTRIS VICTORIA, DWARF VARIETIES—6 in.

Azure Blue Dark Blue Mixture

Rose White

Prices of Dwarf Varieties: Tr. pkt. 40c., ⅙ oz. 90c., ¼ oz. \$1.65, oz. \$4.95

OENOTHERA - Evening Primrose

Tr. pkt. ¼ oz. Oz.

Missouriensis (Macrocarpa). Large soft yellow flowers. Trailing. June to Sept. 12 in. \$0.30 \$1.20 \$4.00

Youngi (Fruticosa). Golden yellow. 18 in. .25 .65 2.00

PAINTED DAISY—See PYRETHRUM.

PHLOX, DECUSSATA

3 ft.—2500 S

Sow outside late Fall. Winter freezing helps germination in Spring.

New Hybrids, Choice Mixed.

Tr. pkt. 40c., ¼ oz. 80c., oz. \$2.40

PHYSOSTEGIA Virginica

4 ft.—16,500 S

Rosy Lilac Spire. Tr. pkt. 60c., ¼ oz. \$1.50.

PINKS—See DIANTHUS.

PLATYCODON

28,000 S

WAHLENBERGIA GRANDIFLORA

Mariesi. Dark blue, dwarf. 16 in.

White

Above each: Tr. pkt. 40c., ⅙ oz. 90c., ¼ oz. \$1.60, oz. \$5.50

POPPY

ICELAND (NUDICAULE)

18 in.—400,000 S

This type can be forced in greenhouse for Spring sales. Start in flats or pots.

Fleck's Special Blend. Contains every shade and all known varieties. Tr. pkt. 40c., ⅙ oz. 65c., ¼ oz. \$1.20.

ORIENTALE

140,000 S

Beauty of Livermere. Dark ox-blood red.

Tr. pkt. 40c., ⅙ oz. 70c., ¼ oz. \$1.25

PRIMULA, VERIS

33,000 S

Fine for Spring pot sales. Plants lifted from outdoors in Fall will make specimen pot plants from February on.

Tr. pkt. 1/16oz. ⅙ oz. ¼oz.

Alba. Pure white..... \$0.80 \$1.85 \$3.20

Coerulea. Brilliant blue shades.....

1/32 oz. \$2.75, 1.00 5.25

Lutea. Bright yellow..... .80 1.85 3.20

Giant Munstead Strain. An excellent mixture..... ½ oz. \$7.00, 1.25 1.65 3.00 \$5.20

PRIMULA, VULGARIS—6 in.—19,000 S

True Yellow English Primrose.

Tr. pkt. 60c., ⅙ oz. \$1.00, ¼ oz. \$1.75, oz. \$6.50

PERENNIAL SEEDS FOR FLORISTS



Primula Vulgaris



Tritoma



Trollius



Veronica

PYRETHRUM Roseum - Painted Daisy

2 ft.—20,000 S

Excellent cut flower; easy to grow.

Robinson's Giant Hybrids Mixture. A wonderful mixture. Large Daisy-like flowers, small yellow-centers with long petals of rose and scarlet, 3½ to 4 in. across.

Tr. pkt. 60c., ¼ oz. \$1.50, oz. \$4.70

Roseum Hybridum. Mixture of singles.

Tr. pkt. 60c., ¼ oz. \$1.50, oz. \$4.75

SALVIA - Flowering Sage—3 ft.—3500 S

Azurea grandiflora. Bright red.

Farinacea. Rich bright blue.

Tr. pkt. 40c., ⅛ oz. 70c., ¼ oz. \$1.25

SAPONARIA, OCYMOIDES

(Soapwort)—12 in.—5500 S

Rose. Pure rose shade, trailing. Fine for rockeries.

Tr. pkt. 30c., ¼ oz. 75c., ½ oz. \$1.20, oz. \$2.25

SCABIOSA

CAUCASICA—24 in.—2400 S

Good cut varieties. Germination slow and irregular.

House's Hybrids. Color range from dark blue to lavender. Large flowers. Tr. pkt. 40c., ¼ oz. \$1.10, oz. \$3.75.

SHASTA DAISY - See Chrysanthemum

STATICE - Everlasting Flower

Perennial Statice are very hardy. Has many uses and therefore a good number for the florist. Fine for cutting. Some may be dried and dyed.

Tr. pkt. ¼ oz. Oz.

Caspia. 175,000 S. Seedlings flower second season. 30 in. Lilac.....\$0.30 \$0.80 \$2.75

Dumosa. 19,000 S. Dense clumps of silvery gray flowers. 24 in..... .40 1.00 2.95

Latifolia (Sea Lavender). 40,000 S. Lavender blue. 30 in..... .30 .65 2.00

Perezi. 14,000 S. Large, rich blue heads first year, from seed..... .30 .65 2.00

STOKESIA - Stokes Aster

16 in.—3200 S

Blue Queen. Large flowered blue.

Tr. pkt. 35c., ¼ oz. \$1.00

SUMMER POINSETTIAS—See EUPHORBIA.

SWEET WILLIAM—See DIANTHUS Bar batus.

THALICTRUM - Meadow Rue

40 in.—10,000 S

Excellent for filling in bouquets. Should be more widely used. Inexpensive. A wonderful green. Also for basket work and floral pieces. Fine outdoor Summer green, even after flowering. Produces well after first season.

Adiantifolium. Fern-like foliage. White flower spikes in June. 2 ft.

Dipterocarpum. Mauve flowers in large panicles. Fine for cut. 4 ft.

Tr. pkt. 30c., ¼ oz. 75c., oz. \$2.25

TRITOMA - Red Hot Poker

3 ft.—22,000 S

Mirabilis Hybrids. Yellow and orange shades; blooms first year.

Pfizer's Hybrids. Scarlet, red and yellow.

Early Hybrids Mixed (New).

Tr. pkt. 30c., ¼ oz. 60c., ½ oz. \$1.10, oz. \$2.00

TROLLIUS - Globeflower

8000 S

Tr. pkt. 1/16 oz. ⅛ oz. ¼ oz.

Ledebouri. Orange. 24 in.....\$0.60 \$1.25 \$2.25 \$4.00

Trollius seed germinate very slowly and irregularly.

Soak seed in hot water 30 minutes before sowing.

VERONICA - Speedwell

Tr. pkt. ¼ oz. Oz.

Longifolia (Maritima). Compact clusters, blue flowers. 30 in.....\$0.35 \$0.75 \$2.25

Spicata. Various blue shades. 18 in..... .35 .75 2.25

VIOLA - Biennial-Annual

See ANNUAL SECTION

Fleck's Reliable Vegetable Seeds

BEST STRAINS FOR FLORISTS AND MARKET GARDENERS



A View of One of the Sources of Our Specialty Seeds

BEETS

	Oz.	¼ lb.	Lb.	5 lbs.
Detroit Dark Red. Fleck's Special Strain.....	\$0.30	\$0.80	\$2.40	\$11.00

BROCCOLI

Approximately 3500 plants from 1 oz.

	½ oz.	Oz.	¼ lb.
Calabrese. Early green. 70 days.....	\$0.20	\$0.35	\$1.00

BRUSSELS SPROUTS

Approximately 3500 plants from 1 oz.

	½ oz.	Oz.	¼ lb.
Long Island Improved.....	\$0.30	\$0.50	\$1.75

Cabbages

Early Varieties

Approximately 3000 plants from 1 oz.

Charleston Wakefield. 74 days	Early Flat Dutch
Copenhagen Market. 69 days	Golden Acre. 64 days
Copenhagen Market. Early strain.	Jersey Wakefield. 63 days

Late Varieties

Danish Ballhead Improved. 103 days	Late Flat Dutch. 100 days
	Penn State Ballhead. 105 days

Red Varieties

Red Rock Mammoth

Savoy

Chieftain.

Prices of the above Cabbages:

½ oz. 30c., oz. 45c., ¼ lb. \$1.20, ½ lb. \$1.80, lb. \$3.50

CARROTS

1 oz. for row 300 ft.

California Bunching. 77 days
Chantenay Half Long. Red cored. 71 days

Oz. 25c., ¼ lb. 80c., lb. \$2.40

CAULIFLOWER

About 3500 plants from 1 oz.

Danish Dry Weather.
Extra Early Snowball. 50 days.
Super Snowball. Certified. 55 days.
Veitch's Autumn Giant. 85 days.

Prices on above Cauliflowers: Tr. pkt. 50c., ¼ oz. 80c., ½ oz. \$1.45, oz. \$2.60, ¼ lb. \$7.50, lb. \$22.50

CELERY

About 6000 plants from 1 oz.—½ lb. for 1 acre

Cornell No. 19. 100 days. Early, easy blanching; highly resistant to fusarium wilt. A cross combining the fine qualities of Pascal type with the color and earliness of Golden Self-Blanching. Plants 25 inches in height; stems thick, rounded and smooth; 10½ to 11 inches to joint.

Fleck's Fullheart. Excellent strain. Golden easy blanching. Hearts long and full. Stems thick, rounded and smooth. 20 in. 130 days.

Above 2, each: Tr. pkt. 35c., ½ oz. 80c., oz. \$1.50, ¼ lb. \$4.90, lb. \$15.00.

Giant Pascal. 140 days.

Tr. pkt. 40c., ½ oz. 60c., oz. \$1.00, ¼ lb. \$3.00, lb. \$9.50

CHIVES (See HERBS)

Fleck's Vegetable Seeds—None Better

CUCUMBER

1 oz. for 80 hills or 50 ft. row

Arlington White Spine. Improved Long Green. 67 days

National Pickling. 56 days

Oz. 30c., $\frac{1}{4}$ lb. 80c., lb. \$2.70

ENDIVE

Batavian Full Heart. 88 days **White Curled.** 95 days

Oz. 20c., $\frac{1}{4}$ lb. 55c., lb. \$1.50

EGGPLANT

2000 plants from 1 oz.

Black Beauty. 80 days.

Long Purple (Early Market). 75 days.

New York Improved. 83 days.

Tr. pkt. 30c., $\frac{1}{2}$ oz. 45c., oz. 75c., $\frac{1}{4}$ lb. \$2.25,
 $\frac{1}{2}$ lb. \$3.95, lb. \$7.50

HERB SEEDS

Culinary and Medicinal

	$\frac{1}{4}$ oz.	$\frac{1}{2}$ oz.	Oz.	$\frac{1}{4}$ lb.	Lb.
Caraway.....	\$0.20	\$0.35	\$0.60	\$2.00	....
*Chives.....	.40	.75	1.40	4.00	....
Dill.....			.25	.60	\$1.75
*Lavender Vera (True).....	1.00	1.90	3.50	....	....
*Sage.....	.35	.65	1.25	3.90	7.00
Sweet Basil.....	.25	.45	.85	2.50	....
Sweet Marjoram.....	.40	.75	1.40	4.50	7.50
*Thyme, Broadleaved.....	.60	1.00	1.90	6.00	....

*Varieties are hardy or perennial, while others must be planted each season.

LETTUCE

About 3000 plants from 1 oz.

HEADING VARIETIES

	Tr. pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Big Boston (Forcing). 75 days.....	\$0.30	\$0.75	\$2.25	
Iceberg. 84 days.....	\$0.20	.35	.85	2.50
Imperial No. 847. 84 days.....	.30	.45	1.25	4.00
New York No. 12. 77 days.....	.30	.45	1.00	3.25
Pennlake. 82 days. New. Originated at Pennsylvania State College. Almost ribless. Smooth, uniform, large and heads well in Summer..	.30	.50	1.50	5.40
Premier Great Lakes. 74 days. New. Originated at Pennsylvania State College. 10 days earlier than Great Lakes. Large, solid heads. Smooth, small ribbed and tip burn resistant.	.30	.50	1.50	5.40

LOOSE LEAF (CUTTING)

	Oz.	$\frac{1}{4}$ lb.	$\frac{1}{2}$ lb.	Lb.
Black Seeded Simpson. 46 days...	\$0.30	\$0.70	\$1.25	\$2.00
Grand Rapids (Forcing).....	.20	.60	1.00	1.95

ONION

1 oz. to 100 ft. row, 5 to 6 lbs. to acre

For sets only—Sow 40 to 50 lbs. per acre

Fleck's Long White Bunching Evergreen. Best bunching scallions. Not a bulb maker. Sow Spring and Fall.

Prizetaker

Yellow Globe Danvers

Sweet Spanish. Yellow

$\frac{1}{2}$ oz. 35c., oz. 65c., $\frac{1}{4}$ lb. \$1.95, lb. \$5.45

PARSLEY

1 oz. to 150 ft. row; 5 lbs. to acre

Champion Moss Curled

Double Curled or Covent Garden

Hamburg. Rooted.

$\frac{1}{2}$ oz. 15c., oz. 25c., $\frac{1}{4}$ lb. 65c., lb. \$1.95

Peppers



California Wonder

About 1400 plants from 1 oz.

Anaheim Chili. Hot. 80 days	Large Thick. Red hot.
Cayenne, Long Red. Hot. 70 days	Pimiento. Cool. 72 days
Chinese Giant. Cool. 80 days	Red Cherry. Hot. 82 days
	Sunnybrook (Pimiento). Cool. 73 days
	World Beater. Cool. 70 days
Prices of above Peppers: Each, tr. pkt. 25c., $\frac{1}{2}$ oz. 40c., oz. 70c., $\frac{1}{4}$ lb. \$2.00, $\frac{1}{2}$ lb. \$3.50, lb. \$6.00	
California Wonder. Cool. 75 days. Tr. pkt. 35c., $\frac{1}{2}$ oz. 50c., oz. 80c., $\frac{1}{4}$ lb. \$2.40, $\frac{1}{2}$ lb. \$4.40, lb. \$8.50.	
Hungarian Wax. Hot. 60 days. Tr. pkt. 30c., $\frac{1}{2}$ oz. 45c., oz. 75c., $\frac{1}{4}$ lb. \$2.25, $\frac{1}{2}$ lb. \$4.25, lb. \$8.00.	
Sweet Banana. Tr. pkt. 45c., $\frac{1}{2}$ oz. 80c., oz. \$1.25, $\frac{1}{4}$ lb. \$3.50.	

Tomatoes

1 oz. to about 4000 plants; ¼ lb. to acre.

	½ oz.	Oz.	¼ lb.	Lb.
Bonny Best. Red. Medium. 73 days.....	\$0.45	\$0.75	\$2.00	\$5.90
Break O'Day. Red. Globular. 70 days.....	.45	.75	2.00	5.90
Crimson Cushion or Beefsteak. Red. Immense. 90 days.....	.55	.90	2.75	8.40
Earliana. Red flat. Medium. 66 days.....	.50	.90	2.70	7.50
Golden Ponderosa. We recommend Jubilee.				
Grothen's Globe. Bright red. Medium large. 68 days.....	.40	.70	2.00	6.00
John Baer. Early red. Medium. 70 days.....	.45	.75	2.00	6.00
Jubilee. Yellow skin. Deep orange flesh. Best non-acid.....	.60	1.00	3.00	....
Marglobe Certified. Scarlet red, globular. Immune to rust and blight. 77 days.....	.45	.75	2.25	6.95
New Stone. Red. 86 days.....	.45	.70	2.20	6.80
Oxheart. Pink. Heartshape. 90 days	.85	1.60	4.00	....
Ponderosa. Pink, flushed purple. Longest size of all. 88 days.....	.75	1.00	2.85	8.50
Pritchard or Scarlet Topper, Certified. Red globular. Large. 76 days.....	.40	.75	2.25	6.50
Pennheart......	.80	1.15	3.90	....
Rutger's Certified. Similar in shape to Marglobe. Deep red inside. 86 days.....	.40	.70	2.10	6.25
Stone......See New Stone				
Valiant. Large, early red. 68 days..	.50	.85	2.90	6.95
Yellow Plum. 73 days. Small fruited.....Tr. pkt. 30c.	.45	.80	....	....

HYBRIDS

Burpee Big Boy.	Tr. pkt. \$2.50, ½ oz. \$6.00, ¼ oz. \$20.00
Burpee Early Hybrids.	Tr. pkt. \$1.50, ½ oz. \$3.50, ¼ oz. \$6.00, ½ oz. \$11.00

KEYSTATE. Seeds we offer were produced at Penna. State College. About 8000 seeds to oz. Tr. pkts. \$2.00, 1/16 oz. \$3.50, ½ oz. \$6.50 ¼ oz. \$12.50.



Tomato, Marglobe



Tomato, Crimson Cushion

SPINACH

1 oz. to 75 ft. of drill; 10 to 12 lbs. to acre

	Oz.	¼ lb.	Lb.	5 lbs.
New Zealand. Best Summer variety. Stands heat and drought. 70 days.	\$0.25	\$0.40	\$1.20	\$5.75

RADISH

1 oz. to 75 ft. of row; 8 to 10 lbs. to acre

Fleck's Early Scarlet. Globe. Short top. Ideal greenhouse forcer. 23 days.

Icicle. Long white.

Oz. 20c., ¼ lb. 40c., lb. \$1.25

Fleck's Lawn Grass Seed



Our Quality Guarantee—We offer the best quality—recleaned seeds—high in purity and of strong germination. All our deliveries are uniform. Every bag or sack is tagged to comply with your State Regulations.

FREIGHT—Allowed or Prepaid—on Lawn Mixtures—200 lbs. up to 500 miles

STANDARD LAWN MIXTURES

FLECK'S PREMIUM BLEND. A top notch mixture composed of a very generous percentage of Kentucky Blue, Red Top, Chewings Fescue and Bent Grass. Will produce a permanent turf. Finest mixture you can buy regardless of price.

2 lbs.....	\$4.40	10 lbs.....	\$16.50	50 lbs.....	\$67.50
5 lbs.....	8.90	25 lbs.....	35.00	100 lbs.....	132.00

FLECK'S GREENVALE MIXTURE. Blended of well-balanced imported and native grasses to produce a permanent turf, pleasing in color and texture. Grows rapidly and thrives even under adverse weather conditions. Contains a sufficient variety of turf grasses to insure a continuance of color during the heat of Summer and cooler days of Fall. Composed of Colonial Bent, Fancy Kentucky Blue, Red Top and Rye Grass. Seed count, approximately 2,000,000 per pound.

2 lbs.....	\$4.00	10 lbs.....	\$14.00	50 lbs.....	\$65.00
5 lbs.....	7.50	25 lbs.....	34.00	100 lbs.....	125.00

FLECK'S PARK LAWN MIXTURE. A special blend to supply those demanding a fair mixture containing Blue Grass at minimum of cost. Composed of Rye Grass, Kentucky Blue, Timothy, Red Top and White Clover. Truly a good all-around mixture that will give much satisfaction. Well adapted for resale purposes to buyers who want a good lawn at low cost.

5 lbs.....	\$5.45	10 lbs.....	\$9.00	100 lbs.....	\$79.00
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FLECK'S RYE MIXTURE. Especially blended for "competitive purposes." Contains common and perennial Rye Grass, Timothy, Red Top, etc. Excellent for sowing on poor ground ditches and other places where a quick and holding proposition is desired at low cost. 50-lb. bags.

10 lbs.	\$6.00,	50 lbs.	\$23.50,	100 lbs.	\$44.00
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WHITE DUTCH CLOVER FOR LAWNS

RECLEARED. Lb. \$1.60, 5 lbs. \$7.45.

Fleck's Dahlias

(Divisions)

25 at 100 rate



Decorative



Pompons



Decorative

Minimum order one dozen of a variety

Abbreviations: M.P.—Min. Pompon; D.—Decorative; F.D.—Formal Decorative; C.—Cactus; I.D.—Informal Decorative; S.C.—Semi Cactus.

SPECIALTIES

	Doz.	100
Vitality. FD. Canary yellow.....	\$4.30	\$29.00
Watchung Giant. ID. Deep golden yellow...	2.50	15.00
White King. FD. Pure white.....	2.80	19.00
Yellow De Luxe. ID. Rich buttercup yellow...	4.25	29.00
Yellow Special. C. Deep yellow.....	4.80	37.00

MINIATURES

Anita. MFD. Pure white.....	\$2.75	\$18.50
Baby Sagamore. MFD. Golden yellow.....	2.80	19.00
Bishop of Llandsdaff. MP. Rich scarlet, dark foliage.....	2.80	18.00
Coralette. MFD. Clear coral.....	4.00	24.00
Corinna. MFD. Canary yellow.....	2.85	19.00
Grenadier. MFD. Double orange-red with red foliage.....	4.00	24.00
Gruppenstolze. MFD. Light crimson, purple and rose.....	4.00	24.00
Ike. MFD. Rich red, very long stems.....	2.50	15.00
Jubilant. MC. New bright orange.....	4.25	29.00
Lily Belle. MFD. Apple Blossom pink.....	2.85	19.00
Little Diamond. MC. Pink, gold center.....	4.30	29.00
Little Roseata. MFD. Soft pink.....	2.50	15.00
Little Star. MC. Pure white.....	4.25	29.00
Marshall's Gloria. S. Red and white bicolor..	2.85	19.00
New Roseata. MFD. Deep rose pink.....	3.50	22.00
Peggy Lindley. MFD. Small orange-buff.....	3.00	19.00
Roxana. MFD. Rich purple.....	4.00	24.00
Target. MSC. Rich bronze.....	3.90	19.00
Tea Rose. MFD. Beautiful cream color.....	4.30	29.00
White Fawn. MFD. Pure white.....	2.40	14.00

POMPONS

Amber Glow. Beautiful blend of coral and gold.	\$2.50	\$15.00
Amber Queen. Fine bronze.....	2.40	14.00
Betty Anne. Best small pink.....	4.00	24.00
Bronze Beauty. Bronze and old gold.....	2.40	14.00
Catherine. Large bright yellow.....	2.40	14.00
Clarise. Bright orange.....	2.50	15.00
Edith Mueller. Golden yellow, deep lavender-red.....	2.50	15.00
Joe Fette. Pure white.....	3.00	19.00
Johnny Peppin. Dark red.....	3.00	19.00
Little Elk. Rich shade of bronze.....	2.50	15.00
Little Herman. Red and white.....	2.40	14.00
Little Snow White. Best white Pompon.....	3.50	22.00
Mary Munns. Orchid.....	2.50	14.00
Miss Alma. Lavender and white.....	3.00	19.00
Morning Mist. Lavender.....	2.50	14.00
Rosa Wilmoth. Light rose-pink.....	3.00	19.00
Rothout. Deep scarlet.....	2.45	15.00
Sherry. Purple.....	3.00	19.00
Sunny Day Break. Red and gold.....	3.00	19.00
Yellow Gem. Canary yellow.....	3.40	20.00
Youlette. Light bronzy yellow.....	3.00	19.00

LARGE FLOWERING VARIETIES

	Doz.	100
A. D. Livoni. Ball. Favorite lavender Ball....	\$2.50	\$18.50
Atomique. C. Fine new, pure white.....	4.75	37.00
Avalon. FD. Yellow.....	2.40	15.00
Berger's Masterpiece. C. Soft lavender-pink..	4.60	36.50
Bronze Ball. Ball. Bronze.....	2.40	15.00
Bonnie Blue. Ball. Lavender-blue.....	2.30	14.00
Clara Clemens. Ball. Red and white bicolor..	4.50	30.00
Commando. FD. Large, deep lavender.....	3.50	24.00
Crown of Gold. Show. Striking combination of yellow and red.....	3.50	24.00
D Day. FD. Soft clear pink.....	3.50	24.00
Deuil Du Roi Albert. FD. Purple and white bicolor.....	4.00	29.00
Dixie Wine Dot. ID. White and wine red variegated.....	7.00	60.00
Edgar Guest. SC. Sulphur yellow.....	5.25	42.00
Five Star General. FD. Very large amaranth pink.....	9.00	72.00
Francis La Rocco. FD. Canary yellow.....	3.00	21.50
Gallant Fox. FD. Rich red.....	2.30	14.00
General J. J. Pershing. SC. Jasper red.....	9.00	72.00
Good Night. ID. Oxblood red.....	4.00	29.00
Hoek's Glory. C. Lilac pink.....	4.60	36.50
Jane Cowl. ID. Bronze, apricot and gold.....	4.50	30.00
Jane Lausche. SC. Very large pale lavender, tipped white.....	9.00	72.00
Jean Kerr. FD. White.....	2.30	14.00
Jersey Beauty. FD. Pink.....	2.40	15.00
Kentucky. FD. Salmon pink.....	3.25	24.00
Kirsten Flagstad. FD. Very large, golden yellow.....	7.00	60.00
Lakeside Beauty. FD. Pink and yellow blend..	5.50	42.00
Lemonade. FD. Bright canary yellow.....	3.50	24.00
Le Toreador. FD. Bright red.....	2.40	15.00
Maffie. SC. Very large, rich red.....	6.75	48.00
Michigan White. SC. Pure white.....	3.30	22.00
Miss Belgium. C. Burnt orange.....	4.20	29.00
Mrs. I. de Ver Warner. FD. Lilac rose.....	3.30	24.00
Mrs. George L. Boutillier. FD. Large, bright red.....	3.20	22.00
Mrs. James Albin. FD. Fine lemon yellow...	2.90	19.00
Mrs. Van Iersel. C. White.....	4.60	36.50
Nancy Ann Mitchell. C. Scarlet.....	5.50	42.00
New York Market. FD. White, shaded lavender.....	2.50	18.50
Ogden Reid. ID. Very large rose and gold....	5.50	42.00
Orange Imperator. C. Orange.....	4.60	36.50
Pola Negri. C. Purple garnet.....	4.90	37.00
Red Imperator. C. Red.....	4.75	36.00
Red Jersey. FD. Deep red.....	2.40	15.00
Rose Glory. FD. Deep rose-pink.....	2.90	19.00
Sanhican's Blue Bird. ID. Lavender-blue....	2.50	18.00
Sherwood Peach. ID. Very large apricot.....	3.50	24.00
Snowstorm. F. Fine new white from Holland.	4.00	29.00
Sunburst. ID. Large yellow, shaded buff.....	7.00	60.00
Supt. Amhryn. Ball. Clear lavender-pink....	2.90	19.00
The Commodore. ID. Lemon yellow.....	2.50	15.00
Troef. FD. Medium size violet.....	3.50	24.00
Victory. FD. Very fine pink and gold.....	3.50	24.00
Victory Day. C. Cherry red.....	4.65	37.00

GLOXINIAS



Ready December-January

Selected Strain of Superb Varieties in the Richest Colors Separately or Mixture

- Blanche de Meru.** White throat, pink border.
Defiance. Scarlet.
Emperor Frederick. Scarlet with white margin.
Emperor William. Deep violet, margined white.
Etoile de Feu. Brilliant red.
Mont Blanc. Pure white.
Princess Elizabeth. White, blue border.
Queen Wilhelmine. Dark pink.
Tigrina (Spotted and Stained Hybrids). Large flower with short throat; entire blossom veined and spotted in a mixture of pink, blue, purple and red markings on white.
Violacea. Violet blue.
Mixture of all above.
 1½ in. to 2½ in., best forcing size—separate colors or mixture, \$3.75 per doz., \$22.50 per 100

NOTE—MINIMUM ORDER, 1 DOZEN OF A VARIETY

ANEMONE, St. Brigid Doubles



Ready late September

Vivid and showy colors. Do well in most any soil. Plant ½ inch deep in sunny location. Set about 10 inches apart and give plenty of water. Can be planted the year round.

Mixture, Top size, 85c. per doz., \$1.50 per 25, \$5.00 per 100

BEGONIAS - Tuberous Rooted



Camellia Flowering

Ready December

These make excellent pot plants for late Winter and Spring sales.

CAMELLIA-FLOWERING

Copper	Crimson	Pink	Rose	White
Orange	Salmon	Scarlet	Yellow	

Fleck's Mixture of above colors.

2 in. up, \$4.75 per 25, \$16.00 per 100, \$145.00 per 1000

CARNATION-FLOWERING

In Separate Colors or Mixed as noted for Camellia-flowered

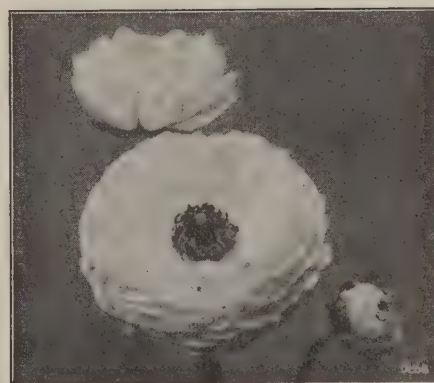
2 in. up, \$5.00 per 25, \$18.50 per 100, \$165.00 per 1000

Note—If separate labeling is desired, orders must be for at least 25 of a color. 100 rate allowed on 50 up.

SPECIAL MIXTURE

For the florist who wants a large selection of colors in both above types we offer a special mixture for \$4.90 per 25, \$17.60 per 100, \$155.00 per 1000.

RANUNCULUS (Top Size)



These claw-like bulbs should be planted with the claws downward, 2 inches deep, 10 inches apart. Vivid colors. Handle similar to Anemones.

	100	1000
Fleck's Mixture.....	\$4.00	\$35.00
	250 at 1000 rate	

FLECK'S DEPENDABLE BULBS

AMARYLLIS



Giant American Hybrids (Hippeastrum). The finest race of Amaryllis in cultivation, exceeding in size and fine form of their flowers as well as in the diversity of colors and markings, all former hybrids.

	Doz.	100
2¾-3 in.....	\$3.50	\$25.00
3-3¼ in.....	4.50	32.00
3¼-3½ in.....	4.95	39.50

25 at 100 rate

SPIREA



Strong Clumps, 5 eyes up

Standard Varieties. In pink and white shades.
\$5.00 per doz., \$40.00 per 100.

Freeze roots before potting. Grow 90 days for Easter, 75 days for Mothers Day, at temperature of 55 degrees.

CALADIUM - Fancy-leaved



Bright Colors

Choice bulbs that have been well ripened and carefully selected from excellent strains of highly colored varieties.
250 at 1000 rate

	25	100	1000
Rainbow Mixture			
1½ to 2½ in.....	\$4.90	\$18.50	\$170.00
2½ to 3½ in.....	7.50	27.50	260.00

Culture

Soil should be slightly acid, ph 6.2 to 6.5. One part leaf-mold, rotted manure and loam. Good drainage is necessary.

Light is important. Give as much strong light as possible without burning leaves, otherwise colors will not be bright.

Temperature should be 80 to 85 degrees, the higher the better. Reduce heat gradually to harden off plants. Start the bulbs in flats and place on steam flows if possible.

Water sparingly until sprouts and roots are 4 to 6 inches long, then shift to 5 or 6 inch pots. Never allow the pots to dry out when in full growth.

LILIUM REGALE (Oregon Grown)

Pure white with golden yellow throat. Height 4 feet. Vigorous grower and free flowering during July. May be planted Spring or Fall. Likes well drained soil and sunny location.

Size	Quantity	100	Case
8-9	200 per case.....	\$19.00	\$33.00

CALLA - Elliottiana

Western Grown

Make very attractive pot plants.

	Doz.	100	1000
Golden Yellow			
2 to 2½ in.....	\$3.00	\$18.00	\$165.00
2½ to 3 in.....	4.50	32.50	290.00

Cases of 200 to 250 at 1000 rate if ordered by case;
25 at 100 rate

FLECK'S DEPENDABLE BULBS

Cannas—EXTRA CHOICE, STRONG DIVISIONS

We supply certified Western-grown stock. This fine, vigorous strain we found to be far superior to Eastern grown. Price is higher but worth even more than the small difference. Order early as these are usually sold out by March 1st.

Strong divisions, 2 to 5 eyes.

City of Portland. 5 ft.....	Rosy pink; green leaf
Copper Giant. 3½ ft.....	Coppery red; green leaf
Eureka. 4 ft.....	White with green leaves
Firebird. 3 ft.....	Large red flowers; green foliage; distinctive
Hungaria. 4 ft.....	Glowing pink; green leaf
King Humbert. 4 ft.....	Orange scarlet, bronze leaf
New Pink Gem. 4 ft.....	Large pink; green foliage
The President. 4 ft.....	Rich scarlet; green leaf
Yellow King Humbert. 4 ft.....	Yellow spotted red; green leaf

Each, above: \$8.00 per 100, \$75.00 per 1000
25 of one variety at 100 rate, 250 at 1000 rate



King Humbert Canna

Fleck's Gladiolus

High Crown Bulbs—Northern Grown

Clean, free of disease and thrip. Full of vitality. The finest quality "Glads" ever seen anywhere. Properly graded. These bulbs have not been used previously for cut flowers, therefore, they are the best for florists use. We recommend No. 1 or No. 2 size for greenhouse forcing. For outside, No. 2 and No. 3 give excellent results.

	1st Size		2nd Size		3rd Size
	1½ in.	up 1000	1¼ in.	up 1000	1 in. up 1000
*Best for forcing 500 bulbs of any one variety at 1000 rate Minimum order, 100 of a variety					
*Beacon. Brilliant rose scarlet with cream blotch.....	\$4.00	\$29.00	\$3.50	\$24.00	\$21.00
Camellia. Tall blush white with small scarlet feather.....	3.50	24.00	3.00	21.00	16.00
Cardinal Spellman. Large violet blue.....	4.00	34.00	3.50	29.00	27.00
Elizabeth The Queen. Light lavender, ruffled; a newer variety of great merit.....	4.00	29.00	3.50	24.00	21.00
Ethel Cave Cole. Light pink, deeper throat. Excellent.....	3.50	25.00	3.00	21.00	18.00
*Flaming Sword. Tall, red, early.....	3.50	24.00	3.00	21.00	16.00
General Eisenhower. Large rose.....	4.00	34.00	3.50	29.00	27.00
*Gold Dust. Vivid yellow.....	3.50	25.00	3.00	22.00	16.00
June Bells. Good white.....	3.90	29.00	3.40	24.00	21.00
*King Lear. Magnificent purple of great size and lustrous sheen.....	4.00	30.00	3.50	24.00	21.00
Lady Jane. A fine lemon color.....	4.00	30.00	3.50	24.00	21.00
Leading Lady. Cream color; a fine Glad. Sport of Picardy.....	4.50	40.00	4.00	34.00	27.00
Leeuwenhorst. Large Hydrangea pink.....	3.40	26.00	3.00	21.00	18.50
*Maid of Orleans. Creamy white.....	3.50	27.00	3.00	21.00	18.00
*Margaret Beaton. Snow white, with a tiny scarlet eye deep in the throat.....	4.00	29.00	3.50	24.00	21.00
*Margaret Fulton. Clear rose salmon.....	3.50	24.00	2.75	20.00	17.00
New Europe. Red.....	4.50	40.00	4.00	34.00	27.00
*Picardy. Large, salmon pink.....	4.00	35.00	3.50	26.00	21.00
Purple Supreme. Bright purple. Tall.....	4.00	35.00	3.90	30.00	25.00
Ravel. One of the best blues.....	4.90	44.00	4.50	38.00	35.00
Rosa Van Lima. Light pink.....	3.50	24.00	3.00	21.00	16.00
Silentium. White with deep red markings in throat.....	4.50	35.00	3.90	26.00	21.00
*Snow Princess. Extra large, pure white.....	3.50	24.00	3.00	22.00	16.00
Spotlight. Beautiful yellow with red blotch.....	4.00	36.00	3.75	30.00	25.00
Surfside. A fine white.....	6.00	50.00	4.00	35.00	27.00
Yellow Emperor. Fine rich yellow.....	4.00	35.00	3.90	30.00	25.00
Special Florists Mixture.....	4.00	30.00	3.40	23.00	20.00

Fleck's Plants and Cuttings

We offer these items for direct shipments from only the most reliable specialists.

We cannot guarantee safe arrival as this is entirely beyond our control. If shipments are spoiled or damaged in transit, take delivery and get "Exception Report" from expressman at time of delivery and proceed to collect from Express Company.

All prices F.O.B. source and subject to market changes. Prevailing price as set by the producer will be charged at time of shipment, plus packing charges, if any.

All orders are booked subject to the growers' ability to ship at proper time.

ABUTILON - Flowering Maple

Souvenir de Bonn. Orange, variegated leaves.

Thompsoni. Salmon pink, variegated leaves; dwarf.
2¼ in., 25 for \$5.00, \$17.50 per 100

ACHYRANTHES, Red

Rooted Cuttings. \$5.50 per 100, \$45.00 per 1000

2¼ in. \$12.00 per 100, \$100.00 per 1000

AGERATUM (Minimum order, 250 of a variety)

FLECK'S NEW "DEVON BEAUTY." This fine new discovery has proven itself for several years. Stays dwarf, about 8 in., self branching and stands hot weather very well. Outstanding for size of blooms which are a nice shade of sky blue and measure upwards of 3 in. Early, and free blooming.

Rooted Cuttings \$35.00 per 1000 (minimum order 250)

Fleck's White. A valuable addition to the Spring bedding list as well as excellent for combinations for Easter and Mothers Day. Growing habit similar to Riverside.

Rooted Cuttings, \$30.00 per 1000 (Minimum order, 250)

Dwarf Riverside. Rooted Cuttings, \$30.00 per 1000;
2¼ in., \$10.00 per 100.

Cardinal Mundelein. Rooted Cuttings, \$5.00 per 100,
\$30.00 per 1000.

ASPARAGUS

Plumosus or Sprengeri 100 1000
2¼ in., extra heavy.....\$12.00 \$100.00
Minimum order 100; 500 at 1000 rate

Azalea

FOR FORCING

Coral Bells. Coral pink, shading deeper to center.	Mme. Vander Cruysen. Excellent red.
Deutsche Perle. White.	Perle de Swynaarde. White.
Jean Haerens. Fine red.	Salmon Beauty. Bright scarlet.
Hexe. Crimson.	Snow. Best white.
Hinodegiri. Bright scarlet.	

3- 5 in. spread.....	} Prevailing Prices
4- 6 in. spread.....	
5- 7 in. spread.....	
6- 8 in. spread.....	
8-10 in. spread.....	

2¼ IN. TRANSPLANTS

\$18.00 per 100, \$150.00 per 1000

Coral Bells

Hinodegiri

BEGONIAS

SPRING BEDDING VARIETIES—2¼-in.

Adeline	Indian Maid
Ball Red	Luminosa compacta
Carmen	White Pearl
Christmas Cheer	

\$12.00 per 100, \$100.00 per 1000

BEGONIAS - For Christmas

Orders Must Be Placed Early

Fine, 2¼ in., ready May and June. Grown by specialists.

Genesee Beauty	Marjorie Gibbs
Lady Mac	Melior
\$11.50 per 25, \$37.50 per 100, \$355.00 per 1000	

Corallina De Lucerna (Angel Wing).
2¼ in. \$22.00 per 100
Minimum order, 25 for \$6.50

BELOPERONES - Shrimp Plant

2-in. pot plants.....25 for \$3.50, 100 for \$12.00

BLEEDINGHEARTS

See DIELYTRA—In Bulb Section

BROWALLIA

Speciosa major (Blue).
2¼ in. \$12.00 per 100, \$100.00 per 1000
Minimum order, 25

CINERARIA

2¼ in.
Ready about September

	25	100	250
Cremer's	\$3.00	\$10.50	\$23.50
Siter's	3.00	10.50	23.50

COLEUS - R. C.

Minimum order—100 of a variety

Brilliancy	Hollywood Red
Cardinal Red	Queen Victoria (Red, gold-en border)
Christmas Gem	Red Trailing Queen
Golden Bedder	Trailing Queen
Green Goddess	

Verschaffelti

\$5.50 per 100, \$40.00 per 1000

CYCLAMENS

Grown by specialist in sterilized soil. Seedlings ready January to May. 2¼ in. April to July.

All Standard Colors	100	1000
Transplanted Seedlings.....	\$12.50	\$115.00
2¼ in.	25.00	200.00
3 in. Ready June-July-August.....	35.00	300.00
4 in. Ready August-September.....	75.00	.....

Vogt's Transplanted Seedlings..... 17.00
Minimum order, 100 on seedlings; 25 on 2¼ in. up at slightly higher rate.

Carnation Cuttings Rooted

Minimum orders, not less than 100 of any one variety; 250 of one variety sold at 1000 rate.
Patented varieties indicated by * or subject to grower's agreement
New varieties of merit will be found in their respective color class.

PINKS

	100	1000
Aphrodite (Yoder). Light pink. Good producer.....	\$12.00	\$100.00
Apollo (Yoder). Larger than Netta and about same shade of salmon pink.....	12.00	100.00
*Boston . New dark pink. Very productive commercial variety. Blooms 2½ to 3½ in. across.....	22.00	180.00
*Chalfont . Dark pink.....	20.00	150.00
Charm . Beautiful salmon pink.....	20.00	150.00
*Citation . Rose pink. Silver edge.....	15.00	125.00
*Coral . New brilliant salmon, at times slightly flaked. Healthy grower. Strong stems. Blooms 3½ in. Very productive.....	22.00	180.00
*Excellence . Medium salmon pink. Flowers 5 in., full and well formed. Production is good considering the size and quality.....	25.00	200.00
*Harlequin . Flesh pink with wine red markings.....	20.00	150.00
Hercules Virginia . Giant sport of "Virginia Light Pink".....	15.00	125.00
Ida . Light salmon pink.....	10.00	85.00
*Lexington . Salmon pink seedling. Large blooms. Heavy stems. Good producer and shipper. Does not split. Disease resistant.	20.00	150.00
Light Pink Littlefield (Petersen). Similar to Hercules Virginia.....	20.00	150.00
*Light Pink Northland . New sport of Northland. Flesh pink. Quality and growing habits same as Northland.....	22.00	180.00
Netta . Large light pink. A few splits about early midseason.....	15.00	125.00
*Pink Sim . Light pink. True sport of Wm. Sim. Excellent.....	20.00	150.00

PINKS—Continued

	100	1000
*Portland Pink . Clear vivid pink. New. Excellent.....	\$20.00	\$150.00
Princess Irene . This <i>largest light pink</i> (similar to Charm) is about the best keeper, ever. Good producer and shipper. Some splits in Fall.....	12.00	100.00
Schaefer's Pink . Deep pink, medium size flowers, prolific, no splits.....	20.00	150.00
Sidney Littlefield . Rich deep pink, large blooms.....	20.00	150.00
Virginia Miller . Improved Virginia. Rose Medium pink.....	12.00	100.00

WHITES

Aurora (Yoder). Very large white....	\$12.00	\$100.00
Mercury . Similar to but larger than White Fisher.....	15.00	125.00
Northland . Large-flowered.....	12.00	100.00
Olivette Improved . Better strain of the original.....	12.00	100.00
Patrician	10.00	90.00
White Fisher	10.00	80.00
*White Sidney Littlefield (Hudson). Pure white, sport of Sidney Littlefield. Has all the good characteristics of its parent, large flower, good, stiff stem and good producer..	20.00	150.00
White Sim (Patten). Clear white sport of William Sim. Identical in every respect except color.....	15.00	125.00



Carnations—One of Our Specialties

Carnation Cuttings Rooted

Minimum orders, not less than 100 of any one variety; 250 of one variety sold at 1000 rate
 Patented varieties indicated by * or subject to grower's agreement
 New varieties of merit will be found in their respective color class

REDS

	100	1000
* Jumbo Cardinal	\$15.00	\$125.00
* Seth Parker . Bright crimson.....	20.00	150.00
* Tom Knipe . Scarlet.....	20.00	150.00
* Wm. Sim . Vivid scarlet; one of the best....	20.00	150.00
Tetra Red . Better color than Wm. Sim. Blooms average almost 5 in. Heavy stems	18.00	150.00
Minimum order 250, 500 at 1000 rate		

YELLOWS

Golden Harvest . Golden yellow, slight pink markings.....	\$20.00	\$150.00
Midas (Yoder). Excellent large clear yellow..	12.00	100.00
Miller's . Clear yellow.....	12.00	100.00
* Pattens Yellow . Clear yellow, strong stems, no grassy growth. Flowers 3 in. up. Splendid shipper and keeper. New.....	20.00	150.00

LAVENDER

Lavender Rose (Rasmussen). Very pleasing true lavender color.....	\$15.00	\$125.00
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FUCHSIA

Pride of Woburn . Bright Fuchsia. Orchid edging.....	\$20.00	\$150.00
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MAROON

Mrs. C. W. Weld . Crimson. Maroon seedling. Early bloomer. Does not split. Vigorous, good producer and keeper.....	\$10.00	\$80.00
* Topper . Rich velvety maroon, a shade deeper than Seth Parker. Long, rigid stems. A good commercial crimson.....	20.00	150.00
Vulcan (Yoder). Excellent keeper. Good comeback. Crimson-maroon.....	13.00	115.00

ORCHID

* Mrs. Bradford (Patten). Clear orchid; under artificial light is a bright pink shade; flowers 3 to 4 in.....	\$20.00	\$150.00
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VARIEGATED

	100	1000
Barbara Brigham . Pink stripes on orange, very attractive and large-flowered.....	\$10.00	\$90.00
Dairy Maid . White with pink stripes. One of the best.....	12.00	100.00
Harlequin . Flecked lavender edge on white.	15.00	125.00
* Helene (Olson's Greenhouses). Sport of Orange Wonder. Peach suffused with yellow. Free flowering, good keeper, does not split.....	20.00	150.00
Mamie . White variegated sport of Wm. Sim, with red markings.....	20.00	150.00
Nancy (Hellberg). Variegated. Orchid colored seedling; dark orchid center gradually lightening toward edge. Well formed and full bloom. No splits.....	20.00	150.00
Pelargonium . White ground, overlaid with maroon and orchid.....	12.00	100.00
* Sandra (Patten). A free blooming novelty, similar to Scarlet King, of a more pleasing color. Flowers 3 in. up.....	20.00	150.00
Sarah Jane Knipe . Magenta with silver edge.....	20.00	150.00
Saturn (Yoder). Beautiful warm orange bronze, with pink stripes.....	12.00	100.00
Scarlet King . Orange red with silver edges.	15.00	125.00
Scarlet Queen . Sport of Scarlet King. More alive orange variegation.....	15.00	125.00
Sphynx . Rose pink with crimson stripes....	20.00	150.00
Starlite . Sport of Olivette, white variegated. Flower is size of Olivette, with pink stripes.	10.00	90.00
* Symphony . Reddish purple stripes on mauve background. Large flowers, good producer. Stiff, medium stems.....	20.00	150.00
* Tetra-Sarah Jane . Tetraploid, Magenta with silver edges. Extra large blooms....	25.00	200.00
Unique . A novelty. Rich purple with an orchid edge; 3 to 4 in. strong stem. Productive.....	20.00	150.00
* Valentine . Bright scarlet center, each petal has a distinct white edge; 3 in., very productive with a good stem; an excellent keeper.....	20.00	150.00

DAISIES

A good crop to put in after "Mums" along with Stocks or "Snaps," or early Fall for cuts through the season.

In 2- or 2¼-inch, well established, usually ready about July to December.

Boston Yellow Improved

Nicholson's Giant White

White Marguerite

Above each: \$12.50 per 100, \$110.00 per 1000

Boston Yellow and Nicholson grow about same height and are excellent cut varieties. Marguerite is fine for pots or short bouquets, or combination boxes for Mothers Day. Marguerite finished in 3-in. pots shifted by March 15 will be in time for Mothers Day.

DRACAENA Indivisa

Ready January 1st.	100	1000
2¼ in.....	\$12.00	\$100.00
3 in.....	22.50	.....

DUSTY MILLER

Rooted Cuttings.....	\$5.00 per 100, \$40.00 per 1000
2¼ in.....	\$10.00 per 100

Minimum order, 100

Miscellaneous Plants and Cuttings

Daphne

ORDER NOW FOR 1954



Beautiful Rose Pink — Delightfully Fragrant
Over 500,000 Specimen Plants Grown Especially
for Forcing

25 100 250

5- 7 in. spread.....	}	Current prices
6- 9 in. spread.....		
9-12 in. spread.....		
12-15 in. spread.....		

These can also be shipped bare root, puddled at 10 cents less per plant. This saves expressage, and if potted immediately on arrival, do just as well as those shipped with soil.

Rooted Cuttings. Ready March 15 for growing on.
Per 100, \$15.00; 1000 for \$140.00.

EUPHORBIA

Fine cut for baskets, etc.

Jacquinaeflora. Orange-scarlet blooms produced on long sprays.
25 100
2 1/4 in. Ready July-August.....\$5.00 \$16.00

FUCHSIA

Minimum order in cuttings, 100 of a variety

Bagdad. Center lavender on red background; taller than Little Beauty.

Little Beauty. Similar to Bagdad.

Giant Pink. Red with double light pink center.

Black Prince. Red, single.

Speciosa. Single pink with lighter center.

Trophee. Red with blue center.

Lavender Beauty. Red with double lavender center.

Rosaia. Red with double white center.

Lord Byron. Single red with purple center.

Cupid. Dwarf pink.

Pink Pearl. Pink.

100 1000

Rooted Cuttings.....\$ 6.50 \$ 60.00
2 1/4 in..... 13.50 125.00

NEW VARIETIES (Double)

These are fast and vigorous growers, with many shoots without pinching. February cuttings will make 5 inch plant by Mothers' Day.

Winston Churchill. Blue.

Holly Dale. Pink.

100 1000

Rooted Cuttings.....\$ 8.00 \$ 55.00
2 1/4 in..... 14.00 130.00

GERANIUMS

2 1/4 in.

We supply all good blooming stock—Order early.
250 at 1000 rate

MOST VARIETIES SOLD UP FOR THIS SEASON.

ORDER NOW FOR FALL 1954 DELIVERY.



RED SHADES

100 1000

Better Times. Dark red.....\$13.50 \$125.00
Haase's Red (Pat. No. 875). Sold in units of 50..... 25.00
Olympic Red...... 13.50 125.00
Pride of Camden (True Strain)..... 13.00 125.00
Red Landry...... 14.00 125.00
Ricard Improved...... 13.00 125.00
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Prices per 100: Rooted Cuttings \$16.00, 2 in. \$25.00,
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- *Europa (E).....Salmon pink
- Hamburg (E).....Carmine
- *Kuhnert (M).....Rose pink
- Merveille (L).....Light red
- Regula (E).....White
- *Rosabelle (L).....Rose pink

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- M. Baardse (E).....Salmon red
- *Niedersachsen (E).....Light pink

Prices per 100: Rooted Cuttings \$8.00, 2 in. \$12.00,
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7 in. \$90.00, 8 in. \$200.00

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- *Charming (M).....Pink
- Dixie (M).....Rose pink
- Drapes Pink (E).....Salmon pink
- Dundalk (M).....Medium red
- Joan Merritt (M).....New white
- *Rose Supreme (M).....Rose pink
- Southland (M).....Carmine
- Springtime (E).....Carmine pink

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3 in. \$50.00, 4 in. \$60.00, 5 in. \$70.00, 6 in. \$90.00,
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Flowering Shoots per Plant:

2 in. and 3 in. 1 shoot	6 in. 5 or more shoots
4 in. 2 or more shoots	7 in. 8 or more shoots
5 in. 3 or more shoots	8 in. 10 or more shoots

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Sweet Blue. Rooted Cuttings.....\$40.00 per 1000
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Salmons, Reds, Pinks, Pure White, Wine, Variegated-leaved, or a Good Mixture of These.

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2 in. pot plants at \$12.50 per 100, \$115.00 per 1000

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Fleck's Pelargoniums

STANDARD VARIETIES—Best Selection

- Azalea.** Rosy red. Free bloomer and very large flowers and clusters. Two upper petals darker with blotches, lower petals lighter colored. Strong grower.
- Easter Greeting.** Flowers a bright red, each petal marked with a large black blotch. Variety remarkable because of its long blooming season beginning in March.
- Edith Cavell.** Striking color, white with maroon eyes. Large flower. Free early bloomer.
- Edith North.** Color salmon pink, shaded deeper on upper petals, blotches dark brown. It is a very vigorous grower.
- Grossmama Fischer.** Rich clear salmon color. Large, ruffled flowers with dark blotches. Vigorous, upright grower.
- Lavender Queen.** Beautiful lavender with large head of bloom. Long flowering period.
- Lucy Becker.** Sport of Easter Greeting and is like it in everything but color, which is a pleasing rosy pink.
- Mackensen.** Fiery rose pink with immense clusters; without blotches.
- Mrs. F. Bachler.** Deep rose-red. Similar to Easter Greeting except better shape and darker, richer color.
- Mrs. Layal.** True Pansy Pelargonium. Coloring is white, dark purple, black, etc.
- Mrs. Mary Bard.** Pure white with light pink veinings. Compact grower.
- Orchid Edith North.** Orchid pink sport of Edith North. Darker blotches on the two upper petals.
- Salmon Springtime.** Sport of Springtime. Beautiful salmon rose pink, much darker than its parent.
- Swabian Maid.** Fine sport of Easter Greeting with salmon flowers of large size, strikingly set off by black blotches at the base of each petal.

Above varieties: 2¼ in. \$20.00 per 100, \$190.00 per 1000

NEWER VARIETIES—Finest Selection

- Amanda.** Reddish orange to scarlet with white center. Dark blotched on upper petals.
- Ballerina.** Soft shell pink, all petals are ruffled. Large flowers. Very free flowering.
- Ernest Brunton.** Camellia red with large crimson blotches on petals. Large flowers.
- James Weldon.** Upper petals dark bronze shading to light crimson on edge; lower petals strawberry pink with small blotches.
- Jessie Jarrett.** Dark violet, rose and maroon. Valuable addition to dark colored Pelargoniums.
- Joan Fontaine.** Deep velvety, red and black. Compact.
- John Wintermute.** Deep Raspberry-rose color overlaid with maroon, with red and dark veinings. Overlapping fully ruffled petals gives appearance of doubleness.
- Lucy Ann Leslie.** Light rose pink with velvety crimson blotch and dark veins on upper petals. Large, ruffled petals.
- Lowell.** Vivid scarlet red with black blotches on all petals. Distinctive foliage.
- Martha Dubois.** Brilliant salmon, shading to rose in center of petals. Darker blotches.
- Marie Rober.** Magenta purple to black. Strong, upright growth with large flowers. A good "black" variety.
- Mary Elizabeth.** Beautiful soft salmon rose, lighter towards center, top two petals barely marked near base.
- Mrs. Gary Cooper.** Delicate salmon with red markings. Compact grower.
- Peach Blow.** Strawberry peach with pale pink almost white edge. Dark blotch at base of each petal.
- Rhapsody.** Tricolor effect with lower petals salmon pink, tinted orange; two top petals solid velvety crimson-black.
- Salmon Splendor.** Salmon, with apricot undertone. Bushy growth, free flowering. Large, round flowers with petal margins waved.
- Stardust.** Palest lilac. Very large flowers with ruffled petals. Free flowering. Bushy growth. Best Lilac variety ever developed.
- Vida Burke.** Rosy pink. Stocky grower with ruffled petals.

Above varieties: 2¼ in., \$25.00 per 100

1953 INTRODUCTIONS

Outstanding in their color range, and excellent for pot culture.

- Baby Snooks.** A new color in the Pansy Pelargonium class. Lower petals palest orchid pink; top petals same ground color, heavily veined rose-violet, with deep red-black blotch in center, flushed Raspberry toward petal edges. Very free flowering.
- Chicadee.** Another Pansy Pelargonium. Lavender, upper petals deep violet blotches. Lower petals violet eyes. Medium sized Pansy flowers. Attractive.
- Circus Day.** Pink. Upper petals deep pink with medium, large, velvety, brown-lilac blotches flushed with salmon. Large heads of very large flowers.
- Conspicuous.** Shining oxblood or wine red, with elongated black spot in lower petals, veining and blotch in top petals; waved petals edged with a black hair-line. Very large and free flowering. Conspicuous is one of the showiest and most distinct varieties to be introduced in years.
- Cover Girl.** Soft pink, with white throat. Upper petals veined from base to medium sized deep crimson spot. No markings on lower petals. Large, round, beautifully ruffled flowers. Very free flowering.
- Gay Nineties.** White upper petals, with medium sized blotches. Lower petals with a few veins to center. Beautiful large round ruffled flowers.
- Grand Slam.** Rosy red, with slight salmon undertone. Top petals with velvety red-brown spot, flushed salmon to petal edges. Large flower heads of waved petals. Makes an excellent pot plant.

2¼ in. \$6.00 per doz., \$45.00 per 100

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	2¼ in.	100
Green		\$12.00
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Rooted Cuttings. May, June.....Prevailing prices
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Order by colors desired.

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Minimum order, 100

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GREENHOUSE VARIETIES

Grown from Originator's Seed—Ready September to January
All the best and latest forcing varieties. Order your favorites.
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2¼ in.....		\$12.00	\$100.00
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FOR EASTER AND SPRING POT SALES

For Easter blooming, pot them six weeks before. When Easter is late, five weeks is sufficient. After well started, give them a little feed and plenty of water.

Top quality. Heavily caned, liberally graded and shaped beautifully because of the culture and field room that they have had.

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Edith Krause	Pres. H. Hoover
Edith Nellie Perkins	Pres. Plumecocq
Editor McFarland	Radiance
Etoile de Hollande	Red Radiance
Frederico Casas	Rouge Mallerin
Golden Charm	Roslyn
Golden Dawn	Rowena Thom
Grenoble	Sir Henry Seagrave
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Crimson Conquest	Silver Moon
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Baby Chateau	Improved Lafayette
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HYBRID PERPETUAL

Magna Charta

Prices—All grades are A.A.N.—strictly top standards.

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Our selection: 70 Reds, 30 Pinks, 30 Yellows, and 20 Assorted
Climbers total 150 of No. 1 Grade for \$109.00

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1954

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ALL-WHOLESALE HOUSE

CATERING EXCLUSIVELY

TO PARTICULAR FLORISTS

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Standards

CULTURAL INSTRUCTIONS FOLLOW ON NEXT PAGE
WRITE FOR LATEST PRICE SHEET IF YOU DID NOT
RECEIVE ONE WITH THIS BOOK

"Mums," Cultural Instructions

By ALEX LAURIE

Professor of Floriculture, Ohio State University

SOILS

A fibrous soil, well aerated by having granular structure and adequate amounts of organic matter, is necessary. The use of manure or peat at the rate of at least one-quarter by volume is desirable. Extremely heavy soils are benefited by inclusion of fine cinders (less than $\frac{1}{4}$ inch) or even sand together with the organic matter.

Acidity

Since Chrysanthemums do best in slightly acid soils, additions of lime are not recommended except in areas where extreme soil acidity exists. However, calcium is often low and in that case in slightly acid or neutral soils gypsum or calcium sulphate could well be added at the rate of 2 lbs. to 100 sq. ft. If available soils are alkaline an application of sulphur at the rate of 2 lbs. to 100 square feet will be found desirable. Since, however, this material is a slow acidifier, it should be added several weeks in advance of planting. A pH of 6-6.5 is best.

Levels of Nutrition

If soils are tested and they really should be, the following levels in parts per million (do not confuse these with pounds per acre) should be maintained: nitrates 10-25, phosphorus 5, potassium 20, calcium 150. It is well, however, not to have the nitrates high at the time of benching—10 p.p.m. is more than adequate then. High nitrates at the start check growth and are frequently responsible for the yellowing of foliage and stunted appearance. Heavy leaching in well drained soil will correct such a condition. Usually superphosphate should be added (5 lbs. to 100 square feet) at the time of soil preparation to insure a proper distribution of that material since surface applications are ineffective for a long time. For a short time crop, such as the Chrysanthemum, slowly acting bonemeal could well be eliminated from consideration.

Steam Sterilization

In this connection, it may be well to state that there is no necessity for the complete removal of soil from benches or beds every year. If the old soil is free of disease, its rejuvenation may be accomplished by the addition of one-fourth of the volume of peat and manure. This addition may be made at the rate of two-thirds peat and one-third well rotted manure. However, it is absolutely important that such soils be sterilized with steam. This serves a dual purpose. It destroys the verticillium wilt fungus and at the same time betters the structural condition of the soil.

Steam soil sterilization eliminates most soil pests such as nematodes, symphylids, worms, sow bugs, etc. It is to be preferred to changing soil both from the standpoint of control of pests and diseases and the actual betterment of growth. In addition it saves labor.

FERTILIZERS

Having applied the superphosphate and calcium if needed, either in the form of lime, if soil is acid, or gypsum if slightly acid or neutral, the balance of nutrients in the soil may be maintained by soil tests. Usually, however, two or three applications of a complete fertilizer (4-12-4) will be adequate, made after the plants are established in the bench and until color shows. All commercial fertilizers should be used at recommended rates (4-12-4 at 4 lbs. to 100 square feet) and applied when the soil is moist.

Excesses

Too much nitrogen causes poor growth and development of bright yellow leaves at the *top* of the plant. The nitrogen can only be removed from the soil by leaching and several heavy waterings may be necessary for this purpose. Incorporating chopped straw into the soil will reduce the nitrates by the action of micro-organisms decomposing the straw.

Excess phosphorus is rarely encountered. Too much potash burns the roots and is evidenced by browned leaf margins. Excessive calcium or lime causes the soil to become alkaline, and some of the elements become unavailable. To counteract alkalinity use sulphur at the rate of 2 lbs. to 100 square feet, or iron sulphate at half that rate.

Deficiencies

Lack of nitrogen causes the tops of the plants to lose their dark green appearance and the *lower* leaves to turn yellow, then brown, and cling to the plant. Lack of phosphorus causes the stems of the leaves (petioles) to turn purplish and in severe cases the veins of the leaf turn purple. Deficiency of potassium causes marginal browning of the lower leaves. This deficiency is similar in appearance to the burn from nicotine sprays or fumigations and confusion of the two is common. Either muriate or sulphate of potash at 1 lb. per 100 square feet corrects potash deficiency.

MULCHES

To maintain uniform moisture in the soil and increase growth, once the plants are established, a mulch may well be used. Peats are best, but manure, alfalfa hay, tobacco stems, spent brewers hops, may be used. In case of fresh, strawy manure or alfalfa an application of ammonium sulphate (1 lb. to 100 square feet) should be made at the time of mulching or soon after to avoid check in growth due to the initial withdrawal of nutrients from the soil as the mulches decompose. This is not necessary when peat, tobacco or hops are used, because of their slow rate of decay.

PROPAGATION

Three to four inches of sharp sand that is well drained is the most satisfactory rooting medium. Steam sterilization of the sand prevents damping-off, stem rot, and infection from verticillium wilt. Three to four-inch cuttings from stock plants should be firm and if soft enough to root rapidly removal of only a few lower leaves is necessary. Treatment with growth substances and bottom heat hastens rooting. Protection with paper or cloth the first few days prevents flagging. Cuttings should be rooted in two to four weeks. *Potting the unrooted cuttings in 2½-inch pots in light soil (2 soil and 1 sand), covering with cloth, syringing frequently, is new but very successful.* It saves one operation and plants so produced are soft and vigorous. No special attention is necessary other than syringing. Planting *unrooted* cuttings in the growing bench 8x8 inches is not recommended because of unsatisfactory results unless very closely watched. Do not propagate too early or the plants will become hardened between the time they are stuck as cuttings in the propagation house and the day they are planted in the bench.

Buying Cuttings

The trend now is to buy cuttings every year instead of attempting to carry over stock plants. There are a number of valid reasons for so doing. In the first place, few growers are either equipped or careful enough to produce *verticillium free* cuttings. This should be left to a specialist. Secondly, the space occupied by the stock plants could be utilized to better advantage. Third, propagation has to be done when you are busiest—in the Spring. In addition, unless stock plants are given adequate care, some varieties will die out and you will be taking cuttings from the remaining ones, even though these are not the kinds you need to grow. Your balance of colors, seasonal cut, becomes disturbed. So in general, most growers have found it more economical and satisfactory to buy cuttings as they are needed.

YOUNG PLANTS

Rooted cuttings may be potted in 2½-inch pots or placed directly in the bench where they are to be grown. The potted plants may be allowed to grow enough to take a top cutting from them, but they should never be allowed to become hard and pot bound. Loss of lower foliage upsets methods of pinching and such plants are hard and woody and require considerable time to develop new leaves.

PLANTING

The usual distance is 8x8 inches for Standards, Pompons, and Disbuds. Greater distance on strong spreading varieties may be necessary. For Standards one plant per hill is recommended, and they should be pinched to give two or three stems rather than use two or three plants per hill. The plants should be set so that there is a dish in the soil with the stem in the center of the dish. This practice facilitates spot watering, which is recommended until the plants have become established. Syringing of the foliage prevents wilting and helps the plant get started.

For early flowering the plants should be benched by the middle of May. Midseason and later varieties should be

planted from the last of May until July 1, except those which are shaded. Plants to be shaded should be benched by June 1 in order that sufficient growth is made to give necessary height before shade is applied.

WATERING

Profits or losses are often determined by the man with the hose. In the early stages spot watering around the plants is preferred to watering the entire bench. When the plants are well established, the bench should be given a heavy watering and this practice should be continued until maturity of the crop. When watering is done it should be thorough in order to insure wetting of all parts of the soil in the bench. The soil should dry in between waterings but the plants should never wilt. Steam sterilized soil requires more water than unsterilized soil. In steam sterilized soil the granulation of the soil permits rapid passage of water, and the soil in the bench is wet where the water traveled downward through the cracks and pore spaces, but the main body of the soil is not wet. *Failure of plants to grow in sterilized soil is due to insufficient watering to wet the soil and to wash through and leach out the nitrogen which often accumulates to toxic levels.*

TEMPERATURE

The Chrysanthemum is a cool season crop. During Summer maintaining a cool house is impossible, but overhead syringing helps to cool the plants. When the weather becomes cooler in the Fall a night temperature of 50 degs. F. is satisfactory. With late planting of late varieties such as Snow, which have not made sufficient growth to give the last pinch by August 1, the night temperature must be carried at 60 degs. F. until buds are visible to prevent blindness.

PINCHING

For many years the main object of pinching was to produce bushy plants with numerous stems. In some varieties such a procedure produced short stems and poor flower sprays; in others it was fairly satisfactory. In recent years the better growers have begun to pay more attention to the time of pinching to secure quality.

Dates will be found with the varieties listed.

DISBUDDING

When Standards are grown, either one, two, or three stems per plant, each stem must be disbudded to prevent development of side shoots. This should be done regularly when the shoots are long enough to be handled easily. Neglect will cause undue loss of time when operation is performed. Disbuds are handled the same as Standards. Pompons are not disbudded.

TAKING BUDS

Taking buds on Chrysanthemums is a process peculiar only to this plant. Taking the bud means allowing it to remain and removing all others. Two types of flower buds are produced on the Mum. The crown type appears first

and is distinguished by being surrounded by shoot buds which grow around it. Sometimes a second crown bud is produced. The terminal type of flower bud is always surrounded by flower buds. A safe rule to remember is never to "take" crown buds on early and midseason varieties that appear before August 15. If no crown buds appear on early or midseason varieties, the terminal bud is selected or "taken." With late varieties the terminal type of bud is always "taken."

If a crown type of bud is "taken" all vegetative or shoot buds should be removed. If it is too early to "take" the crown bud all vegetative shoots except the strongest one should be removed along with the crown bud itself. This process should not be delayed too long or crooked stems will result from the failure of the strongest shoot to grow straight. On terminal buds, all the side flower buds are removed when large enough to rub out.

SHADING

Since the Chrysanthemum is a short-day plant, the use of black cloth artificially shortens the day and induces earliness of flowering. Standards should be pinched 30-35 days before shading and they should be at least 15-18 inches high before shading. Pompons may be pinched just before shading. The black cloth should completely enclose the plants and is applied at 5 p.m. and removed at 7 to 7:30 a.m. Nothing is to be gained by allowing the cloth to remain over the plants for a longer period of time. Double duty may be secured by shading one bed beginning at 3 p.m. and leaving it on until sundown and then moving the cloth to another bed and removing it at 9 a.m. The cloth may be applied every night except one for each week, but continuous shading is preferred. When the buds of Standards are the size of a nickel or when Pompons show color, the use of black cloth may be discontinued. On the early varieties, flowers may be expected approximately 8 weeks after shading. Since Chrysanthemums set their buds normally around September 1 there is no point in *beginning* to apply black cloth after this date. The black cloth is supported by wires over the plants.

LIGHTING

To delay flowering, Chrysanthemums may be lighted. Reducing the house temperature to delay flowering impairs quality. Not all varieties respond favorably to light, and if carelessly and improperly used it may injure the crop. The last pinch should be made 10 days later than normal to prevent long necks and imperfect flowers. There are several methods of applying light. One is to begin applying light August 10-15 and run for 2½ hours each night beginning after dark. Use 40-watt bulbs, 3 feet above the tops of the plants, spaced 4 feet apart. Continue lighting for approximately the same number of days as is wished to delay flowering. To prevent heavy, clubby growth, keep the nitrogen level low and raise the temperature to 55 degs. F.

To spread the crop over a longer period, but not actually delay flowering, lights are applied after the buds are the size of a nickel. Use the same spacing and duration of light as previously described.

PEST CONTROL

Chrysanthemums are attacked by many insects and allied pests and these must be kept in check if high quality is expected.

Red spider attacks both leaves and flowers. When on the flowers very little can be done to control them without damaging the flowers. Use Vapotone.

Aphids are controlled by cyanide or nicotine fumigations. Nicofume at 1-400 is also effective with soap at 1 cubic inch per gallon or Santomerse Spreader at 1-1200 are used.

Thrips are troublesome, as they come in from weeds outside the greenhouse or under the bench. D.D.T. is very effective. A fine mist produced by high pressure should be applied to the upper surface of the foliage to thoroughly cover it.

Leaf roller must be controlled early before the foliage becomes too thick to cover it easily with insecticide. A dust of 15 parts lead arsenate and 85 parts sulphur is very good. Lead arsenate 2 lbs., and lime 2 lbs., in 50 gallons of water is useful before the foliage staining is objectionable.

Midge. Nicofume liquid at 1-400 with Santomerse Spreader is effective and is applied every third night for 7-8 applications. Do not apply the spray before 10 p.m. as the midge do not appear until night.

Foliar nematode is controlled by Nicofume liquid at 1-200 with Santomerse Spreader. The material must penetrate the leaf to kill the eelworm. Avoid water on the foliage as they spread through it.

Mealy bugs should be sprayed with Volck or Vapotone.

Soil pests including nematodes, symphylids, and grubs, are controlled by steam sterilization before planting. Once in the bench after planting, use Soilene.

Sodium selenate or P-40 are being recommended for the control of red spider, thrips, aphids and foliar nematodes. It is very worthy of trial and if used according to directions should eliminate all spraying and fumigation for the pests named above.

DISEASES

The most serious of these is *verticillium wilt*. This disease organism lives within the plant and no spray applied to the outside or any material placed on the soil will do any good. Short tip cuttings should be taken when the plants are growing rapidly or the cuttings purchased from reliable sources. All soil, pots and tools should be steam sterilized.

Stem rot is caused by infection in the propagation bench, too deep planting, or poor drainage.

Septoria spot can be controlled by spraying with 1 lb. of Ferradow and Santomerse Spreader at 1-1200. Bordeaux mixture is satisfactory but stains the foliage.

FLOWERS

Cutting of flowers before they are fully developed impairs the keeping quality. When Standards have expanded and the center is no longer green, they are ready. Pompons are ready when a majority of flowers are open. Pompons are usually sold in 9-oz. bunches.

HARDIES AS POT PLANTS

For the past several Springs, increasing numbers of growers have finished a batch of hardy or garden Mums in pots for Mother's Day. They are quickly (90 days) and easily grown, make showy and unusual pot plants. They have added sales appeal in that, after flowering, they may be planted outdoors for another crop of blooms in the Fall.

Here is a simple schedule worked out by William Skou at Ohio State: (For May 1 flowering)

VARIETIES—(Date after each variety is flowering date if above schedule is followed)

White

Avalanche.....	April 28	Pepita.....	May 1
Calcite.....	May 7	Renown.....	April 28
Chris. Columbus....	May 7	Silverplate.....	April 29
Classic.....	May 1	White Wonder.....	May 7

Yellow

Bamboo.....	May 3	September Sunshine.	May 3
Carnival.....	May 7	Witchery.....	May 3
Early Gold.....	April 28	Yellow Christopher	
Early Yellow.....	May 3	Columbus.....	May 1
Gold Rush.....	May 2	Yellow Spoon.....	May 1
Lemonade.....	April 28	Yellow Supreme.....	May 10

Pink

Joybringer.....	May 2	September Cheer....	May 3
Major Cushion.....	May 3	Serenade.....	April 28

Apricot

Calico.....	May 1	Tiffany Rose.....	April 28
W. P. Snyder.....	April 28		

Bronze

Carmelita.....	May 1	James Stewart.....	May 1
Early Bronze.....	April 28	Mona.....	May 1

Orchid

Jewell.....	April 28	Spellbound.....	April 28
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Lillian Doty



Standards

IMPORTANT NOTICE

Orders for Mum cuttings should be placed at least four to six months in advance of date you desire to receive them. Otherwise some substitutions may be necessary. Order now and state approximate date you want them. Also state if desired by Railway Express or Air Freight.

Your order will be acknowledged with an exact copy for your records. Attend to it now—don't wait till Spring when you will be too busy. Early orders get preference.

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FOR COMPLETE LIST OF SUPPLIES SEE OUR PREVIOUS CATALOGS

CHRYSANTHEMUM VARIETIES AVAILABLE —1954

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Ship To:.....

Order No.....

Date of Order

When Required

Ship Via:

Special Instructions:

USE THIS FORM FOR
ORDERING FROM

FLECK'S Seeds
Southampton, Pa.

Rooted Cuttings		Price per 100						Amt.
Quan.	Variety	Per 50	100 to 250	300 to 450	500 to 950	1000 to 2450	2500 up	
.....	Acclaim	4.00	7.60	7.20	6.80	6.40	6.00	.....
.....	Adagio	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Adelaide	3.00	5.70	5.40	5.10	4.80	4.50	.....
.....	Admiral	4.00	7.60	7.20	6.80	6.40	6.00	.....
.....	Admiration	7.50	14.25	13.50	12.75	12.00	11.25	.....
.....	Albatross	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Alert	3.00	5.70	5.40	5.10	4.80	4.50	.....
.....	Alex Cummings	5.00	9.50	9.00	8.50	8.00	7.50	.....
.....	Allegro	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Almega	4.50	8.55	8.10	7.65	7.20	6.75	.....
.....	Ambassador	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Amberina	4.00	7.60	7.20	6.80	6.40	6.00	.....
.....	Amber Bright	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Amber Glow	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Anaconda	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Apache	7.50	14.25	13.50	12.75	12.00	11.25	.....
.....	Apr. Queen	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Apr. Valencia	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Arbutus	4.50	8.55	8.10	7.65	7.20	6.75	.....
.....	Arcadia	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Argonne	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Aristocrat	3.35	6.15	5.85	5.50	5.20	4.85	.....
.....	Arvis (New)	7.50	14.25	13.50	12.75	12.00	11.25	.....
.....	Autumn Song	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Avalanche	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Avalon	4.50	8.55	8.10	7.65	7.20	6.75	.....
.....	Aviator	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Ballerina	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Bamboo	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Barbara Small	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Barcarole	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Beacon	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Beauregard	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Beautiful Lady	3.00	5.70	5.40	5.10	4.80	4.50	.....
.....	Belray	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Betsy Ross	3.00	5.70	5.40	5.10	4.80	4.50	.....
.....	Betty	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Bittersweet	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Blazing Gold	3.00	5.70	5.40	5.10	4.80	4.50	.....
.....	Blueblood	4.00	7.60	7.20	6.80	6.40	6.00	.....
.....	Bojangles	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Bokhara	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Bonfire	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Bonn. Deluxe	3.00	5.70	5.40	5.10	4.80	4.50	.....
.....	Bonton	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Bowl O'Gold	7.50	14.25	13.50	12.75	12.00	11.25	.....

Rooted Cuttings		Price per 100						Amt.
Quan.	Variety	Per 50	100 to 250	300 to 450	500 to 950	1000 to 2450	2500 up	
.....	Brigadier	4.50	8.55	8.10	7.65	7.20	6.75	.....
.....	Brigadoon	4.00	7.60	7.20	6.80	6.40	6.00	.....
.....	Bright Forecast	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Br. Buckingham	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Br. Frick	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Br. Goldsmith	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Br. Masterpiece	3.00	5.70	5.40	5.10	4.80	4.50	.....
.....	Br. Minstrel	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Br. Mistletoe	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Br. Orchid Queen	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Br. Pyramid	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Br. Riviera	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Br. Supreme	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Br. Thyra	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Br. Wonder	4.00	7.60	7.20	6.80	6.40	6.00	.....
.....	Buccaneer	4.00	7.60	7.20	6.80	6.40	6.00	.....
.....	Buckskin	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Bunbu	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Burgundy	3.00	5.70	5.40	5.10	4.80	4.50	.....
.....	Butterball (H)	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Buttercup (H) (New)	7.50	14.25	13.50	12.75	12.00	11.25	.....
.....	Calcite	3.00	5.70	5.40	5.10	4.80	4.50	.....
.....	Calif. Wh. Daisy (Kimoto's Wh)	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Calif. Wh. Mensa (Nagona)	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Calif. Yel. Daisy (Sch. Daisy)	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Calumet (H) (New)	7.50	14.25	13.50	12.75	12.00	11.25	.....
.....	Cameo	3.00	5.70	5.40	5.10	4.80	4.50	.....
.....	Canary Wonder	4.00	7.60	7.20	6.80	6.40	6.00	.....
.....	Candlelight	3.00	5.70	5.40	5.10	4.80	4.50	.....
.....	Capt. Cook	3.00	5.70	5.40	5.10	4.80	4.50	.....
.....	Capt. J. Smith	3.00	5.70	5.40	5.10	4.80	4.50	.....
.....	Carrara	4.50	8.55	8.10	7.65	7.20	6.75	.....
.....	Caravan	4.00	7.60	7.20	6.80	6.40	6.00	.....
.....	Card. Spoon	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Carmelita	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Carmine Queen	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Carnival	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Carole (New)	5.00	9.50	9.00	8.50	8.00	7.50	.....
.....	Carolyn Yosick	3.00	5.70	5.40	5.10	4.80	4.50	.....
.....	Cavalcade	3.50	6.65	6.30	5.95	5.60	5.25	.....
.....	Cecil Beed	4.50	8.55	8.10	7.65	7.20	6.75	.....
.....	Celestra	3.25	6.15	5.85	5.50	5.20	4.85	.....
.....	Champ. Cushion	3.00	5.70	5.40	5.10	4.80	4.50	.....
.....	Chas. Nye	3.25	6.15	5.85	5.50	5.20	4.85	.....

Rooted Cuttings									Rooted Cuttings								
		Price per 100									Price per 100						
Quan.	Variety	Per 50	100 to 250	300 to 450	500 to 950	1000 to 2450	2500 up	Amt.	Quan.	Variety	Per 50	100 to 250	300 to 450	500 to 950	1000 to 2450	2500 up	Amt.
	Chattanooga	3.00	5.70	5.40	5.10	4.80	4.50			Ermine	3.50	6.65	6.30	5.95	5.60	5.25	
	Chevron	3.50	6.65	6.30	5.95	5.60	5.25			Eskimo	4.00	7.60	7.20	6.80	6.40	6.00	
	Chippewa	3.25	6.15	5.85	5.50	5.20	4.85			Fairbow	3.50	6.65	6.30	5.95	5.60	5.25	
	Chiquita	3.25	6.15	5.85	5.50	5.20	4.85			Fascination	5.00	9.50	9.00	8.50	8.00	7.50	
	Chopin (New)	7.50	14.25	13.50	12.75	12.00	11.25			Fashion	4.00	7.60	7.20	6.80	6.40	6.00	
	Chris. Columbus	3.50	6.65	6.30	5.95	5.60	5.25			Fiesta	3.50	6.65	6.30	5.95	5.60	5.25	
	Christ. Greetings	3.50	6.65	6.30	5.95	5.60	5.25			Firebird	3.25	6.15	5.85	5.50	5.20	4.85	
	Christ. Star	3.25	6.15	5.85	5.50	5.20	4.85			Firecracker	4.00	7.60	7.20	6.80	6.40	6.00	
	Cinderella	3.50	6.65	6.30	5.95	5.60	5.25			Fireside	3.50	6.65	6.30	5.95	5.60	5.25	
	Classic	3.50	6.65	6.30	5.95	5.60	5.25			Flame Glow (New)	5.00	9.50	9.00	8.50	8.00	7.50	
	Cocktail	4.00	7.60	7.20	6.80	6.40	6.00			Flaxen Beauty	4.50	8.55	8.10	7.65	7.20	6.75	
	Comd. Cushion	3.00	5.70	5.40	5.10	4.80	4.50			Forty-Niner	3.25	6.15	5.85	5.50	5.20	4.85	
	Constellation	3.00	5.70	5.40	5.10	4.80	4.50			Freida	3.00	5.70	5.40	5.10	4.80	4.50	
	Copperhead	3.50	6.65	6.30	5.95	5.60	5.25			Friendly Rival	3.25	6.15	5.85	5.50	5.20	4.85	
	Cordova	3.25	6.15	5.85	5.50	5.20	4.85			Galaxy	3.50	6.65	6.30	5.95	5.60	5.25	
	Corona (H) (New)	7.50	14.25	13.50	12.75	12.00	11.25			Garland	4.00	7.60	7.20	6.80	6.40	6.00	
	Coronet	3.50	6.65	6.30	5.95	5.60	5.25			Garnet King	3.25	6.15	5.85	5.50	5.20	4.85	
	Corsair	4.00	7.60	7.20	6.80	6.40	6.00			Garza	3.25	6.15	5.85	5.50	5.20	4.85	
	Cotton Top	3.25	6.15	5.85	5.50	5.20	4.85			Gena Harwood (Br. Rayonante)	3.50	6.65	6.30	5.95	5.60	5.25	
	Courageous	3.25	6.15	5.85	5.50	5.20	4.85			Genista	6.25	12.00	11.50	11.00	10.50	10.00	
	Courtier	4.00	7.60	7.20	6.80	6.40	6.00			Giant Betsy Ross	3.25	6.15	5.85	5.50	5.20	4.85	
	Cover Girl (New)	5.00	9.50	9.00	8.50	8.00	7.50			Gladness	3.50	6.65	6.30	5.95	5.60	5.25	
	Crescendo	3.50	6.65	6.30	5.95	5.60	5.25			Gladys Pearson	3.00	5.70	5.40	5.10	4.80	4.50	
	Crystal Queen	4.50	8.55	8.10	7.65	7.20	6.75			Glitters	3.25	6.15	5.85	5.50	5.20	4.85	
	Cydonia	3.00	5.70	5.40	5.10	4.80	4.50			Goblin	3.00	5.70	5.40	5.10	4.80	4.50	
	Dawn Rose	3.50	6.65	6.30	5.95	5.60	5.25			Gold Coast	3.00	5.70	5.40	5.10	4.80	4.50	
	D. D. Ahrens	3.00	5.70	5.40	5.10	4.80	4.50			Gold Lode	3.00	5.70	5.40	5.10	4.80	4.50	
	Debonair	3.25	6.15	5.85	5.50	5.20	4.85			Gold Seal	4.50	8.55	8.10	7.65	7.20	6.75	
	Debutante	3.50	6.65	6.30	5.95	5.60	5.25			Golden Carpet	4.00	7.60	7.20	6.80	6.40	6.00	
	Dec. Glory	3.25	6.15	5.85	5.50	5.20	4.85			Golden Chord	3.25	6.15	5.85	5.50	5.20	4.85	
	Dec. White	3.25	6.15	5.85	5.50	5.20	4.85			Golden Herald	3.00	5.70	5.40	5.10	4.80	4.50	
	Defiance (H)	3.50	6.65	6.30	5.95	5.60	5.25			Golden Hours	3.25	6.15	5.85	5.50	5.20	4.85	
	Detroit	3.50	6.65	6.30	5.95	5.60	5.25			Golden Jane (Yel. Valencia)	3.25	6.15	5.85	5.50	5.20	4.85	
	Detroit News	3.25	6.15	5.85	5.50	5.20	4.85			Golden Mistletoe	3.25	6.15	5.85	5.50	5.20	4.85	
	Dk. Br. Masterpiece	3.25	6.16	5.85	5.50	5.20	4.85			Golden Mrs. Ross	3.00	5.70	5.40	5.10	4.80	4.50	
	Dk. Ind. Bronze	4.50	8.55	8.10	7.65	7.20	6.75			Golden Pearson	3.00	5.70	5.40	5.10	4.80	4.50	
	Dk. Ind. Yellow (Pots)	3.25	6.15	5.85	5.50	5.20	4.85			Golden Spoon	3.00	5.70	5.40	5.10	4.80	4.50	
	Dk. Jewell	3.25	6.15	5.85	5.50	5.20	4.85			Goldenrod	4.00	7.60	7.20	6.80	6.40	6.00	
	Dk. Linda Lou	3.00	5.70	5.40	5.10	4.80	4.50			Goldrush	3.50	6.65	6.30	5.95	5.60	5.25	
	Dk. Norma	3.50	6.65	6.30	5.95	5.60	5.25			Goldsmith	3.25	6.15	5.85	5.50	5.20	4.85	
	Dk. Orch. Queen	3.25	6.15	5.85	5.50	5.20	4.85			Goldtone	3.50	6.65	6.30	5.95	5.60	5.25	
	Dk. Riviera	3.00	5.70	5.40	5.10	4.80	4.50			Gondolier	7.50	14.25	13.50	12.75	12.00	11.25	
	Dk. Supreme	3.50	6.65	6.30	5.95	5.60	5.25			Good News	3.25	6.15	5.85	5.50	5.20	4.85	
	Dk. Valencia	3.25	6.15	5.85	5.50	5.20	4.85			Grand Slam	4.00	7.60	7.20	6.80	6.40	6.00	
	Dr. Graham	7.50	14.25	13.50	12.75	12.00	11.25			Granite State	3.00	5.70	5.40	5.10	4.80	4.50	
	Dr. Longley	4.00	7.60	7.20	6.80	6.40	6.00			Gypsy	3.00	5.70	5.40	5.10	4.80	4.50	
	Dream Girl	3.50	6.65	6.30	5.95	5.60	5.25			Halo	3.50	6.65	6.30	5.95	5.60	5.25	
	Drifted Snow	3.00	5.70	5.40	5.10	4.80	4.50			Harbinger	3.25	6.15	5.85	5.50	5.20	4.85	
	Dwight Douglas	6.25	12.00	11.50	11.00	10.50	10.00			Harlequin	4.00	7.60	7.20	6.80	6.40	6.00	
	Early Bronze	3.00	5.70	5.40	5.10	4.80	4.50			Harvester	3.00	5.70	5.40	5.10	4.80	4.50	
	Early Gold	3.50	6.65	6.30	5.95	5.60	5.25			Harvest Golden	3.50	6.65	6.30	5.95	5.60	5.25	
	Early Harvest	3.25	6.15	5.85	5.50	5.20	4.85			Has. Pink	3.50	6.65	6.30	5.95	5.60	5.25	
	Early Yellow	3.00	5.70	5.40	5.10	4.80	4.50			Heather Bloom	3.00	5.70	5.40	5.10	4.80	4.50	
	Ed. Seidewitz	3.25	6.15	5.85	5.50	5.20	4.85			Heirloom	3.50	6.65	6.30	5.95	5.60	5.25	
	Eliz. Hood	4.50	8.55	8.10	7.65	7.20	6.75			Helen Frick	3.25	6.15	5.85	5.50	5.20	4.85	
	Enchantress	3.25	6.15	5.85	5.50	5.20	4.85			Heritage	4.00	7.60	7.20	6.80	6.40	6.00	
	Encore	3.25	6.15	5.85	5.50	5.20	4.85			Highbrow	3.50	6.65	6.30	5.95	5.60	5.25	
	Enterprise	4.50	8.55	8.10	7.65	7.20	6.75										

Rooted Cuttings								Rooted Cuttings									
		Per 50	Price per 100							Per 50	Price per 100						
Quan.	Variety		100 to 250	300 to 450	500 to 950	1000 to 2450	2500 up	Amt.	Quan.		Variety	100 to 250	300 to 450	500 to 950	1000 to 2450	2500 up	Amt.
	Highlander	4.00	7.60	7.20	6.80	6.40	6.00			Lt. Pk. Miunstrel	4.50	8.55	8.10	7.65	7.20	6.75	
	Holiday (H)	4.50	8.55	8.10	7.65	7.20	6.75			Lyric	4.00	7.60	7.20	6.80	6.40	6.00	
	Honeycomb	3.25	6.15	5.85	5.50	5.20	4.85			Madonna	4.00	7.60	7.20	6.80	6.40	6.00	
	Horizon	4.00	7.60	7.20	6.80	6.40	6.00			Maestro	3.50	6.65	6.30	5.95	5.60	5.25	
	Huntsman	3.50	6.65	6.30	5.95	5.60	5.25			Magnificent	3.50	6.65	6.30	5.95	5.60	5.25	
	Ill. Bountiful	3.50	6.65	6.30	5.95	5.60	5.25			Mah. Cushion	3.00	5.70	5.40	5.10	4.80	4.50	
	Ill. Formal (New)	5.00	9.50	9.00	8.50	8.00	7.50			Maj. Bowes	3.00	5.70	5.40	5.10	4.80	4.50	
	Ill. Gold Cup	3.50	6.65	6.30	5.95	5.60	5.25			Maj. Cushion	3.00	5.70	5.40	5.10	4.80	4.50	
	Ill. Igloo	4.50	8.55	8.10	7.65	7.20	6.75			Majorette	3.50	6.65	6.30	5.95	5.60	5.25	
	Ill. Redhead	3.50	6.65	6.30	5.95	5.60	5.25			Malinda Brown	5.00	9.50	9.00	8.50	8.00	7.50	
	Ill. Redwood (New)	5.00	9.50	9.00	8.50	8.00	7.50			Mamoru	3.25	6.15	5.85	5.50	5.20	4.85	
	Ill. Snowbound	4.50	8.55	8.10	7.65	7.20	6.75			Marg. Moeller	3.00	5.70	5.40	5.10	4.80	4.50	
	Ill. Snowdrift	3.50	6.65	6.30	5.95	5.60	5.25			Marie De Petris	3.25	6.15	5.85	5.50	5.20	4.85	
	Ill. Starlet (New)	5.00	9.50	9.00	8.50	8.00	7.50			Marionette	3.50	6.65	6.30	5.95	5.60	5.25	
	Ill. Sunspot	4.50	8.55	8.10	7.65	7.20	6.75			Marketeer	3.00	5.70	5.40	5.10	4.80	4.50	
	Ill. Tangier	4.50	8.55	8.10	7.65	7.20	6.75			Mary Garden	3.50	6.65	6.30	5.95	5.60	5.25	
	Ill. Warrior	3.50	6.65	6.30	5.95	5.60	5.25			Mary Gold	3.00	5.70	5.40	5.10	4.80	4.50	
	Ill. Yel. Snowbound	4.50	8.55	8.10	7.65	7.20	6.75			Mary L. Hall	3.00	5.70	5.40	5.10	4.80	4.50	
	Imp. Early Wonder	3.25	6.15	5.85	5.50	5.20	4.85			Masquerade	3.50	6.65	6.30	5.95	5.60	5.25	
	Imp. Wh. Supreme	3.50	6.65	6.30	5.95	5.60	5.25			Masterpiece	3.00	5.70	5.40	5.10	4.80	4.50	
	Imp. Yel. Supreme	3.50	6.65	6.30	5.95	5.60	5.25			Mayford's Triumph	3.50	6.65	6.30	5.95	5.60	5.25	
	Imp. Ind. Yellow	3.50	6.65	6.30	5.95	5.60	5.25			Medallion	3.50	6.65	6.30	5.95	5.60	5.25	
	Ind. Bronze	3.00	5.70	5.40	5.10	4.80	4.50			Mefo	3.00	5.70	5.40	5.10	4.80	4.50	
	Ind. Golden Br. (Pots)	4.00	7.60	7.20	6.80	6.40	6.00			Memorial	4.00	7.60	7.20	6.80	6.40	6.00	
	Ind. Pink	3.00	5.70	5.40	5.10	4.80	4.50			Merrymaker	3.50	6.65	6.30	5.95	5.60	5.25	
	Ind. White	3.00	5.70	5.40	5.10	4.80	4.50			Meteore	3.25	6.15	5.85	5.50	5.20	4.85	
	Ind. Yellow	3.00	5.70	5.40	5.10	4.80	4.50			Miguel (New)	6.25	12.00	11.50	11.00	10.50	10.00	
	Indiana Market	3.50	6.65	6.30	5.95	5.60	5.25			Ming	4.50	8.55	8.10	7.65	7.20	6.75	
	Irene	3.25	6.15	5.85	5.50	5.20	4.85			Minstrel	3.50	6.65	6.30	5.95	5.60	5.25	
	Jack Pot	4.00	7.60	7.20	6.80	6.40	6.00			Minuet	3.25	6.15	5.85	5.50	5.20	4.85	
	Jamboree	3.50	6.65	6.30	5.95	5.60	5.25			Mischief	7.50	14.25	13.50	12.75	12.00	11.25	
	James Eadie	3.25	6.15	5.85	5.50	5.20	4.85			Miss Clarinda	4.00	7.60	7.20	6.80	6.40	6.00	
	James Stewart	3.50	6.65	6.30	5.95	5.60	5.25			Misty Maid	3.50	6.65	6.30	5.95	5.60	5.25	
	Jean Elizabeth	3.25	6.15	5.85	5.50	5.20	4.85			Mme. Cadillac	6.25	12.00	11.50	11.00	10.50	10.00	
	Jemima	3.00	5.70	5.40	5.10	4.80	4.50			Mogul	4.50	8.55	8.10	7.65	7.20	6.75	
	Jessie	3.00	5.70	5.40	5.10	4.80	4.50			Mona	3.50	6.65	6.30	5.95	5.60	5.25	
	Jewell	3.25	6.15	5.85	5.50	5.20	4.85			Monogram	3.50	6.65	6.30	5.95	5.60	5.25	
	Joybringer	3.50	6.65	6.30	5.95	5.60	5.25			Monument	3.25	6.15	5.85	5.50	5.20	4.85	
	Jubilee (H)	5.00	9.50	9.00	8.50	8.00	7.50			Moonglow	3.50	6.65	6.30	5.95	5.60	5.25	
	Judith Anderson	3.00	5.70	5.40	5.10	4.80	4.50			Moonlight (DePetris)	4.50	8.55	8.10	7.65	7.20	6.75	
	J. W. Prince	3.25	6.15	5.85	5.50	5.20	4.85			Mrs. Dewey	3.50	6.65	6.30	5.95	5.60	5.25	
	Kath. Lehman	4.00	7.60	7.20	6.80	6.40	6.00			Mrs. DuPont	3.50	6.65	6.30	5.95	5.60	5.25	
	Kay Tashima	3.50	6.65	6.30	5.95	5.60	5.25			Mrs. Kidder	3.00	5.70	5.40	5.10	4.80	4.50	
	Keepsake	4.00	7.60	7.20	6.80	6.40	6.00			Mrs. R. A. Walker	3.50	6.65	6.30	5.95	5.60	5.25	
	King Midas	3.00	5.70	5.40	5.10	4.80	4.50			Mrs. Rotan	3.25	6.15	5.85	5.50	5.20	4.85	
	Klondike	3.50	6.65	6.30	5.95	5.60	5.25			Mrs. Roy	3.50	6.65	6.30	5.95	5.60	5.25	
	Lassie	4.00	7.60	7.20	6.80	6.40	6.00			Muto's White	3.00	5.70	5.40	5.10	4.80	4.50	
	Lav. Lady	3.50	6.65	6.30	5.95	5.60	5.25			Myrtle Walgreen	3.50	6.65	6.30	5.95	5.60	5.25	
	Lee Powell	4.50	8.55	8.10	7.65	7.20	6.75			Navaho	3.25	6.15	5.85	5.50	5.20	4.85	
	Legal Tender	3.00	5.70	5.40	5.10	4.80	4.50			Nightingale	3.25	6.15	5.85	5.50	5.20	4.85	
	Lemonade	3.50	6.65	6.30	5.95	5.60	5.25			Nocturne	3.50	6.65	6.30	5.95	5.60	5.25	
	Lila Lily	3.50	6.65	6.30	5.95	5.60	5.25			Nokomis	3.50	6.65	6.30	5.95	5.60	5.25	
	Lillian Doty	3.25	6.15	5.85	5.50	5.20	4.85			Norona	4.00	7.60	7.20	6.80	6.40	6.00	
	Limelight (New)	7.50	14.25	13.50	12.75	12.00	11.25			Nuggets	3.00	5.70	5.40	5.10	4.80	4.50	
	Linda Lou	3.00	5.70	5.40	5.10	4.80	4.50			Nye's Favorite	3.50	6.65	6.30	5.95	5.60	5.25	
	Little America	3.00	5.70	5.40	5.10	4.80	4.50			Nytoda	4.50	8.55	8.10	7.65	7.20	6.75	
	Lollipop	3.50	6.65	6.30	5.95	5.60	5.25			Oak Leaf	3.00	5.70	5.40	5.10	4.80	4.50	
	L. Is. Beauty	3.00	5.70	5.40	5.10	4.80	4.50			Oct. Bronze	3.25	6.15	5.85	5.50	5.20	4.85	

Rooted Cuttings								Rooted Cuttings							
Quan.	Variety	Per 50	Price per 100					Quan.	Variety	Per 50	Price per 100				
			100 to 250	300 to 450	500 to 950	1000 to 2450	2500 up				100 to 250	300 to 450	500 to 950	1000 to 2450	2500 up
	Oct. Pink	3.25	6.15	5.85	5.50	5.20	4.85		Regina (New)	7.50	14.25	13.50	12.75	12.00	11.25
	Old Gold	3.25	6.15	5.85	5.50	5.20	4.85		Remembrance	3.50	6.65	6.30	5.95	5.60	5.25
	Olive Longland	3.00	5.70	5.40	5.10	4.80	4.50		Renown	3.50	6.65	6.30	5.95	5.60	5.25
	Omega	3.00	5.70	5.40	5.10	4.80	4.50		Revelation	3.00	5.70	5.40	5.10	4.80	4.50
	Orch. Beauty	3.25	6.15	5.85	5.50	5.20	4.85		Revelry	4.00	7.60	7.20	6.80	6.40	6.00
	Orch. Helen	4.00	7.60	7.20	6.80	6.40	6.00		Reverie	7.50	14.25	13.50	12.75	12.00	11.25
	Orch. Queen	3.25	6.15	5.85	5.50	5.20	4.85		Reward	3.50	6.65	6.30	5.95	5.60	5.25
	Orch. Spoon	3.50	6.65	6.30	5.95	5.60	5.25		Richard Mandel	3.25	6.15	5.85	5.50	5.20	4.85
	Orloma	6.25	12.00	11.50	11.00	10.50	10.00		Riviera	3.00	5.70	5.40	5.10	4.80	4.50
	Orpheus	6.25	12.00	11.50	11.00	10.50	10.00		Robinhue	3.50	6.65	6.30	5.95	5.60	5.25
	Orsona	6.25	12.00	11.50	11.00	10.50	10.00		Rodell Improved	3.00	5.70	5.40	5.10	4.80	4.50
	Osage	7.50	14.25	13.50	12.75	12.00	11.25		Ronnie	3.50	6.65	6.30	5.95	5.60	5.25
	Ostosa (New)	7.50	14.25	13.50	12.75	12.00	11.25		Rosa	7.50	14.25	13.50	12.75	12.00	11.25
	Overly	7.50	14.25	13.50	12.75	12.00	11.25		Rosalind	3.00	5.70	5.40	5.10	4.80	4.50
	Pandora	4.00	7.60	7.20	6.80	6.40	6.00		Rose Delight	3.50	6.65	6.30	5.95	5.60	5.25
	Panorama	4.50	8.55	8.10	7.65	7.20	6.75		Rose Spoon	3.00	5.70	5.40	5.10	4.80	4.50
	Paper White	3.50	6.65	6.30	5.95	5.60	5.25		Rosita	3.25	6.15	5.85	5.50	5.20	4.85
	Paragon	3.50	6.65	6.30	5.95	5.60	5.25		Rouge Cushion	4.50	8.55	8.10	7.65	7.20	6.75
	Paramount	3.50	6.65	6.30	5.95	5.60	5.25		Royal Robe	5.00	9.50	9.00	8.50	8.00	7.50
	Pathfinder	7.50	14.25	13.50	12.75	12.00	11.25		Rubicon	3.25	6.15	5.85	5.50	5.20	4.85
	Pat. Lehman	4.00	7.60	7.20	6.80	6.40	6.00		Ruby Pompon	3.00	5.70	5.40	5.10	4.80	4.50
	Peggy Hoover	3.50	6.65	6.30	5.95	5.60	5.25		Sal. Precose	3.50	6.65	6.30	5.95	5.60	5.25
	Pepita	3.50	6.65	6.30	5.95	5.60	5.25		Sam Williston	3.00	5.70	5.40	5.10	4.80	4.50
	Pinocchio	3.00	5.70	5.40	5.10	4.80	4.50		Sarasota (New)	7.50	14.25	13.50	12.75	12.00	11.25
	Pippin	4.00	7.60	7.20	6.80	6.40	6.00		Satellite	4.00	7.60	7.20	6.80	6.40	6.00
	Pixie	3.25	6.15	5.85	5.50	5.20	4.85		Scarlet Crimson	3.25	6.15	5.85	5.50	5.20	4.85
	Pk. Beauty	3.00	5.70	5.40	5.10	4.80	4.50		Sch. Yel. Daisy	3.50	6.65	6.30	5.95	5.60	5.25
	Pk. Chief	3.00	5.70	5.40	5.10	4.80	4.50		Sculpture	4.00	7.60	7.20	6.80	6.40	6.00
	Pk. Dot	3.00	5.70	5.40	5.10	4.80	4.50		Seagull	3.00	5.70	5.40	5.10	4.80	4.50
	Pk. L. Is. Beauty	3.50	6.65	6.30	5.95	5.60	5.25		Sept. Bronze	3.00	5.70	5.40	5.10	4.80	4.50
	Pk. Mistletoe	3.25	6.15	5.85	5.50	5.20	4.85		Sept. Cheer	3.00	5.70	5.40	5.10	4.80	4.50
	Pk. Opal	4.50	8.55	8.10	7.65	7.20	6.75		Sept. Dawn	3.00	5.70	5.40	5.10	4.80	4.50
	Pk. Surprise	3.50	6.65	6.30	5.95	5.60	5.25		Sept. Sunshine	3.25	6.15	5.85	5.50	5.20	4.85
	Pk. Treas. Is.	3.00	5.70	5.40	5.10	4.80	4.50		Serenade	3.50	6.65	6.30	5.95	5.60	5.25
	Poinsettia	4.00	7.60	7.20	6.80	6.40	6.00		Shalimar (H)	4.00	7.60	7.20	6.80	6.40	6.00
	Polar Ice	3.50	6.65	6.30	5.95	5.60	5.25		Shamrock	3.50	6.65	6.30	5.95	5.60	5.25
	Polaris	3.50	6.65	6.30	5.95	5.60	5.25		Shasta	3.00	5.70	5.40	5.10	4.80	4.50
	Ponca	3.50	6.65	6.30	5.95	5.60	5.25		Silver Ball	3.00	5.70	5.40	5.10	4.80	4.50
	Pomponette	3.00	5.70	5.40	5.10	4.80	4.50		Silverplate	3.50	6.65	6.30	5.95	5.60	5.25
	Popcorn	3.25	6.15	5.85	5.50	5.20	4.85		Silver Sheen	3.00	5.70	5.40	5.10	4.80	4.50
	Powderpuff	3.50	6.65	6.30	5.95	5.60	5.25		Silversmith	3.25	6.15	5.85	5.50	5.20	4.85
	Princeton	3.25	6.15	5.85	5.50	5.20	4.85		Siren	3.50	6.65	6.30	5.95	5.60	5.25
	Priscilla	3.00	5.70	5.40	5.10	4.80	4.50		Smith's White	3.25	6.15	5.85	5.50	5.20	4.85
	Pristine	3.50	6.65	6.30	5.95	5.60	5.25		Snow	3.00	5.70	5.40	5.10	4.80	4.50
	Purple Star	3.00	5.70	5.40	5.10	4.80	4.50		Snowcap	3.50	6.65	6.30	5.95	5.60	5.25
	Queen's Lace	3.50	6.65	6.30	5.95	5.60	5.25		Snowcrest	3.25	6.15	5.85	5.50	5.20	4.85
	Queen of Pinks	3.00	5.70	5.40	5.10	4.80	4.50		Snow Elf	3.50	6.65	6.30	5.95	5.60	5.25
	Rainbow	4.50	8.55	8.10	7.65	7.20	6.75		Snowfall	3.50	6.65	6.30	5.95	5.60	5.25
	Rajah	4.00	7.60	7.20	6.80	6.40	6.00		Snowflurry	3.50	6.65	6.30	5.95	5.60	5.25
	Rayonante	3.25	6.15	5.85	5.50	5.20	4.85		Snowline	3.50	6.65	6.30	5.95	5.60	5.25
	Red Cloud	3.50	6.65	6.30	5.95	5.60	5.25		Snow White	3.00	5.70	5.40	5.10	4.80	4.50
	Red Dot	3.00	5.70	5.40	5.10	4.80	4.50		Songster	3.50	6.65	6.30	5.95	5.60	5.25
	Red Glow	3.50	6.65	6.30	5.95	5.60	5.25		Spellbound	3.25	6.15	5.85	5.50	5.20	4.85
	Red Gold	3.25	6.15	5.85	5.50	5.20	4.85		Sterling	3.50	6.65	6.30	5.95	5.60	5.25
	Red Princeton	3.25	6.15	5.85	5.50	5.20	4.85		Spindrift	5.00	9.50	9.00	8.50	8.00	7.50
	Red Riding Hood	3.25	6.15	5.85	5.50	5.20	4.85		Success	3.50	6.65	6.30	5.95	5.60	5.25
	Red Rust	3.25	6.15	5.85	5.50	5.20	4.85		Sue Sally Jones	3.50	6.65	6.30	5.95	5.60	5.25
	Red Seneca	3.50	6.65	6.30	5.95	5.60	5.25		Sunapeo	3.25	6.15	5.85	5.50	5.20	4.85
	Red Velvet	3.25	6.15	5.85	5.50	5.20	4.85		Sunglow	3.00	5.70	5.40	5.10	4.80	4.50

Rooted Cuttings								Rooted Cuttings								
Quan.	Variety	Per 50	Price per 100					Quan.	Variety	Per 50	Price per 100					
			100 to 250	300 to 450	500 to 950	1000 to 2450	2500 up				Amt.	100 to 250	300 to 450	500 to 950	1000 to 2450	2500 up	Amt.
	Sungold	3.25	6.15	5.85	5.50	5.20	4.85		Wh. Yuletide	3.00	5.70	5.40	5.10	4.80	4.50	
	Sunnyside	3.00	5.70	5.40	5.10	4.80	4.50		Wilson's White	4.00	7.60	7.20	6.80	6.40	6.00	
	Sunray	3.00	5.70	5.40	5.10	4.80	4.50		Winterset (H)	3.25	6.15	5.85	5.50	5.20	4.85	
	Sunstone (New)	7.50	14.25	13.50	12.75	12.00	11.25		Witchery	3.50	6.65	6.30	5.95	5.60	5.25	
	Sunup	4.00	7.60	7.20	6.80	6.40	6.00		W. P. Snyder	3.50	6.55	6.30	5.95	5.60	5.25	
	Susanne Miller	3.50	6.65	6.30	5.95	5.60	5.25		Wychwood	3.25	6.15	5.85	5.50	5.20	4.85	
	Sweepstake	3.50	6.65	6.30	5.95	5.60	5.25		Yel. Acclaim (New)	5.00	9.50	9.00	8.50	8.00	7.50	
	Tacoma	4.50	8.55	8.10	7.65	7.20	6.75		Yel. Ambassador	3.25	6.15	5.85	5.50	5.20	4.85	
	Taffeta	3.50	6.65	6.30	5.95	5.60	5.25		Yel. Arcadia	3.25	6.15	5.85	5.50	5.20	4.85	
	Tangerine	3.25	6.15	5.85	5.50	5.20	4.85		Yel. Avalanche	3.25	6.15	5.85	5.50	5.20	4.85	
	Tapestry	4.00	7.60	7.20	6.80	6.40	6.00		Yel. Beauty	3.25	6.15	5.85	5.50	5.20	4.85	
	Thanks. Pink	3.00	5.70	5.40	5.10	4.80	4.50		Yel. Blanket	3.25	6.15	5.85	5.50	5.20	4.85	
	Thelma	4.00	7.60	7.20	6.80	6.40	6.00		Yel. Cameo	3.00	5.70	5.40	5.10	4.80	4.50	
	The Chief	3.00	5.70	5.40	5.10	4.80	4.50		Yel. Chris Columbus	3.50	6.65	6.30	5.95	5.60	5.25	
	The Titan	3.25	6.15	5.85	5.50	5.20	4.85		Yel. Cordova	3.25	6.15	5.85	5.50	5.20	4.85	
	Thorobred	4.00	7.60	7.20	6.80	6.40	6.00		Yel. Cushion	3.00	5.70	5.40	5.10	4.80	4.50	
	Thyra	3.00	5.70	5.40	5.10	4.80	4.50		Yel. Dot	3.00	5.70	5.40	5.10	4.80	4.50	
	Tiffany Rose	3.00	5.70	5.40	5.10	4.80	4.50		Yel. Fellow	3.25	6.15	5.85	5.50	5.20	4.85	
	Time	3.50	6.65	6.30	5.95	5.60	5.25		Yel. Firebird	3.25	6.15	5.85	5.50	5.20	4.85	
	Tobin's Yellow	3.25	6.15	5.85	5.50	5.20	4.85		Yel. Galaxy	4.50	8.55	8.10	7.65	7.20	6.75	
	Topaz	4.00	7.60	7.20	6.80	6.40	6.00		Yel. Halo	4.50	8.55	8.10	7.65	7.20	6.75	
	Treasure	4.00	7.60	7.20	6.80	6.40	6.00		Yel. Highbrow	4.50	8.55	8.10	7.65	7.20	6.75	
	Valencia	3.25	6.15	5.85	5.50	5.20	4.85		Yel. Irene	3.25	6.15	5.85	5.50	5.20	4.85	
	Vanguard	4.00	7.60	7.20	6.80	6.40	6.00		Yel. Lace	3.50	6.65	6.30	5.95	5.60	5.25	
	Vesper	3.25	6.15	5.85	5.50	5.20	4.85		Yel. L. Is. Beauty	3.50	6.65	6.30	5.95	5.60	5.25	
	Vibrant	3.00	5.70	5.40	5.10	4.80	4.50		Yel. Marketeer	4.50	8.55	8.10	7.65	7.20	6.75	
	Violet	3.25	6.15	5.85	5.50	5.20	4.85		Yel. Mefo	3.00	5.70	5.40	5.10	4.80	4.50	
	Waikiki	3.50	6.65	6.30	5.95	5.60	5.25		Yel. Moehler	3.50	6.65	6.30	5.95	5.60	5.25	
	Welcome	3.00	5.70	5.40	5.10	4.80	4.50		Yel. Monument	3.25	6.15	5.85	5.50	5.20	4.85	
	W. H. Buckingham (Pk. Calif. Daisy)	3.50	6.65	6.30	5.95	5.60	5.25		Yel. Priscilla	3.50	6.65	6.30	5.95	5.60	5.25	
	Wh. Bounty	3.50	6.65	6.30	5.95	5.60	5.25		Yel. Queen	3.25	6.15	5.85	5.50	5.20	4.85	
	Wh. Cloud	3.50	6.65	6.30	5.95	5.60	5.25		Yel. Rayonante	3.50	6.65	6.30	5.95	5.60	5.25	
	Wh. Cushion	3.00	5.70	5.40	5.10	4.80	4.50		Yel. Revelation	3.00	5.70	5.40	5.10	4.80	4.50	
	Wh. Doty	3.25	6.15	5.85	5.50	5.20	4.85		Yel. Riviera	3.50	6.65	6.30	5.95	5.60	5.25	
	Wh. Enchantress (New)	5.00	9.50	9.00	8.50	8.00	7.50		Yel. Rolinda	3.00	5.70	5.40	5.10	4.80	4.50	
	Wh. Freida	3.00	5.70	5.40	5.10	4.80	4.50		Yel. Seagull	3.00	5.70	5.40	5.10	4.80	4.50	
	Wh. Frick	3.25	6.15	5.85	5.50	5.20	4.85		Yel. Shasta	3.00	5.70	5.40	5.10	4.80	4.50	
	Wh. Lady	4.50	8.55	8.10	7.65	7.20	6.75		Yel. Snow	3.00	5.70	5.40	5.10	4.80	4.50	
	Wh. Mistletoe	3.25	6.15	5.85	5.50	5.20	4.85		Yel. Snowcrest	4.00	7.60	7.20	6.80	6.40	6.00	
	Wh. Popcorn	4.00	7.60	7.20	6.80	6.40	6.00		Yel. Spoon	3.50	6.65	6.30	5.95	5.60	5.25	
	Wh. Rayonante	3.25	6.15	5.85	5.50	5.20	4.85		Yel. Supreme (H)	3.00	5.70	5.40	5.10	4.80	4.50	
	Wh. Spoon	3.00	5.70	5.40	5.10	4.80	4.50		Yel. Valencia	3.25	6.15	5.85	5.50	5.20	4.85	
	Wh. Tower	3.25	6.15	5.85	5.50	5.20	4.85		Yolanda	3.50	6.65	6.30	5.95	5.60	5.25	
	Wh. Valencia	3.50	6.65	6.30	5.95	5.60	5.25		Youdath's Wh.	3.00	5.70	5.40	5.10	4.80	4.50	
	Wh. Wonder	3.25	6.15	5.85	5.50	5.20	4.85		Yukon	3.00	5.70	5.40	5.10	4.80	4.50	
									Yuleflame	3.50	6.65	6.30	5.95	5.60	5.25	

BIRD VITA-BANDS

HELP GROW BETTER CROPS



VITA-BAND D

VITA-BAND 10

VITA-BAND H

TOM THUMB FLATS



NOW

FOR THE FIRST TIME

a revolutionary new technique, designed for growers who use special transplant equipment — as well as for growers who transplant by hand.

VITA-BAND "D"

DO NOT REMOVE VITA-BAND "D"

from plants when transplanting. That's because this miraculous plant band

DISINTEGRATES IN THE SOIL!

You'll tell your friends you have never used anything that helped you so much!

FOR SHORT CUTS TO BETTER

You — as a grower — can figure in an instant the tremendous savings you get in labor, time, and cost when you use VITA-BAND "D" — the short-cut to better crops!

HERE'S THE AMAZING STORY of what VITA-BAND "D" will do for you!



Vita-Band "D" **provides plant food.**

Use it for well-balanced growth, to speed maturity, and insure a stronger, larger root system.



Vita-Band "D" **retains moisture.** **Cuts your watering time.**

Its sturdy fibre resin construction holds moisture to beat even quick drying days.



Vita-Band "D" **cuts your potting time** **in half.**

Just pack whole flat full of bands, shovel in soil, and level with a board.



Vita-Band "D" **speeds and safe-** **guards your shipping.**

Eliminate rootball wrapping or transfer to pot. Closer support in flats cuts shipping risk and Band-fed plants allow delay in transplanting — if needed.



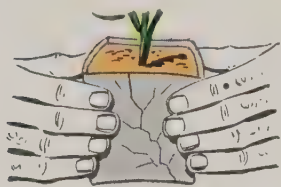
Vita-Band "D" **saves you 1 to 3 weeks** **growing time.**

Rootball protected and undisturbed — no more transplant shock and setback.

BETTER CROPS—BUY VITA-BANDS

VITA-BAND D

For transplanting, Vita-Band "D" is the growers joy! Compact unit of plant and band insures successful transplanting operation.



SQUEEZE ROOTBALL TO CRACK BAND

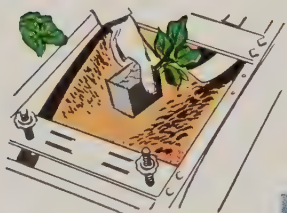
It's as simple as that! No more band removal with loss of time or compactness of rootball.

TRANSPLANT BY HAND

Compact, moist rootball will not suffer any transplant shock or set-back. Band quickly disintegrates in the soil.

TRANSPLANT WITH EQUIPMENT

Vita-Band "D" goes into ground with plant. That's because band disintegrates in the soil.



VITA-BAND H

Use Vita-Band "H" for the longer growing periods to insure firm control of root growth until time of transplant.



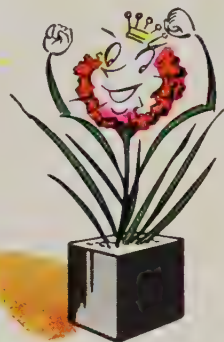
- It's the heavy-duty Bird plant band for the longer growing periods.

- Plant growth is controlled until grower removes band at time of transplant.

- No transplant shock.

- Saves Time

- Nutrient treated for healthier, hardier blooms.



BIRD

VITA-BANDS

PRICES — QUANTITIES — WEIGHTS

	SIZES	1½ x 1½ x 2½	1¾ x 1¾ x 2½	2 x 2 x 2½	2 x 2 x 3	2½ x 2½ x 3	3 x 3 x 3	4 x 4 x 3	4 x 4 x 4
PRICE PER M	VB-10	3.70	4.00	4.55	5.05	6.00	6.90	9.00	11.25
	VB-D	3.85	4.15	4.65	5.35	6.05	7.05	9.25	11.60
	VB-H		5.45	5.80	6.90	7.65	8.50	10.45	12.90
VITA- BAND 10	QUANTITY PER CASE	2M	2M	2M	2M	2M	1M	500	500
	WEIGHT PER CASE	33 LBS	38 LBS	42 LBS	51 LBS	63 LBS	37 LBS	25 LBS	33 LBS
VITA- BAND D	QUANTITY PER CASE	2M	2M	2M	2M	2M	1M	1M	1M
	WEIGHT PER CASE	21 LBS	24 LBS	27 LBS	32 LBS	41 LBS	24 LBS	32 LBS	42 LBS
VITA- BAND H	QUANTITY PER CASE		1M	1M	1M	500	500	500	500
	WEIGHT PER CASE		26 LBS	30 LBS	36 LBS	22 LBS	26 LBS	35 LBS	46 LBS

Prices higher in Rocky Mtn., Pacific Coast, Texas and Gulf State areas.

ANOTHER
PROVEN
BIRD
PRODUCT

NUTRIENT-
TREATED

VITA-BAND 10*

This plant-feeding container — with 6-way benefits —

1. Supplies plant food.
2. Saves you 1 to 3 weeks growing time.
3. Retains moisture and cuts your watering time.
4. Cuts your potting time in half.
5. Speeds and safeguards your shipping.
6. Sets up in a second — comes off in less.

*Vita-Band "10" has all the advantages of Vita-Band "D" except that it should be removed at time of transplant.



FOR EXTRA PROFITS
SELL YOUR VITA-BAND PLANTS IN
TOM THUMB FLATS



TOM THUMB FLATS are neat, convenient, and easy to use . . . a sure way to make your customers come back for more. Grow in Vita-Band "D" and Vita-Band "10". Grade, pack, and sell in Tom Thumb Flats. Plants grown in Bird Vita-Bands are quickly graded as they are packed in TOM THUMB FLATS and are easily sold at premium prices. All for a few pennies.

SPECIAL OFFER!

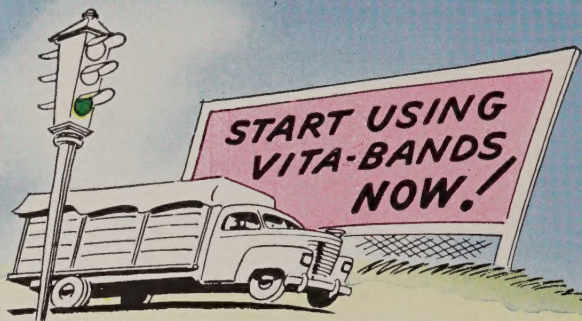
Your own custom-printed flats will make your customers come again.

For custom-printed TOM THUMB FLATS — add \$3.00 per M to prices below.



VITA-BANDS • VITA POTS
RED POTS • TOM THUMB FLATS

Combination 1 M Flats 12M Vita-Band 10 Per 1000 Sets		Sold in Units of 500 Sets only Per Thousand	Tom Thumb Flats	
Size #1	Size #2		Size #1	Size #2
86.45	95.65		44.70	49.60



GIVE THE GREEN LIGHT TO...

your transplanting operation. Save labor, use transplant machinery if you wish . . . *and* eliminate transplant shock!

For the first time, a growing container is available that gives you absolute root-growth control — *and without removal*, allows the roots to grow through when the grower chooses.

Never before has such control been available to growers with so little effort and expense.



BIRD & SON, INC., EAST WALPOLE, MASS.

RAYMOND A. FLECK, INC.

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STREET ROAD (RTE. 132)

SOUTHAMPTON, PA.

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PETUNIA, COMANCHE See Page 25



MARIGOLD, GLITTERS

See Page 17

Fleck's special merit items

To Particular Florists and Nurserymen

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DWARF GIANTS

See Page 22



NEW!

TETRA SNAPS

See Page 4

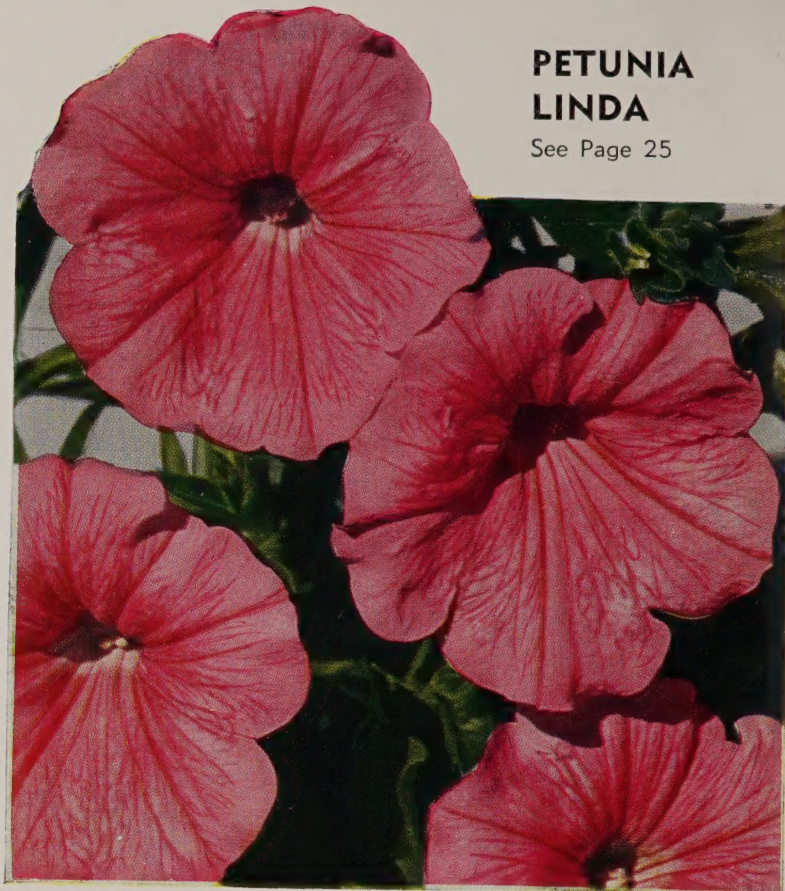


ZINNIA, PEPPERMINT STICK

See Page 35



PANSIES See Page 19



**PETUNIA
LINDA**

See Page 25



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**ZINNIA
PERSIAN
CARPET**

See Page 35

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